

Appendix C
Analytical Laboratory Reports

ANALYTICAL REPORT

Job Number: 600-90241-1

Job Description: Dowell - Artesia Groundwater

For:
CH2M Hill Constructors, Inc.
14701 St. Mary's Lane
Suite 300
Houston, TX 77079-2923
Attention: Mr. John Ynfante



Approved for release.
Cathy L. Upton
Project Management Assistant II
4/28/2014 1:29 PM

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04/28/2014

cc: Mr. Rick Dobbins
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TestAmerica Houston Certifications and Approvals: TX NELAP T104704223-09A-TX, ARDEQ 88-0759, LADEQ 01967, OKDEQ 9503, UT DOH GULF

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Table of Contents

Cover Title Page	1
Data Summaries	4
Report Narrative	4
Sample Summary	6
Executive Summary	7
Method Summary	10
Method / Analyst Summary	11
Sample Datasheets	12
Surrogate Summary	45
QC Data Summary	47
Data Qualifiers	71
QC Association Summary	72
Lab Chronicle	73
Reagent Traceability	77
Certification Summary	98
Organic Sample Data	99
GC/MS VOA	99
8260B_LL	99
8260B_LL QC Summary	100
8260B_LL Sample Data	132
Standards Data	165
8260B_LL ICAL Data	165
8260B_LL CCAL Data	189
Raw QC Data	201
8260B_LL Blank Data	201
8260B_LL LCS/LCSD Data	207

Table of Contents

8260B_LL MS/MSD Data	215
8260B_LL Run Logs	223
Shipping and Receiving Documents	228
Client Chain of Custody	229
Sample Receipt Checklist	231

CASE NARRATIVE

Client: CH2M Hill Constructors, Inc.

Project: Dowell - Artesia Groundwater

Report Number: 600-90241-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes or interferences which exceed the calibration range of the instrument.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

Note: All samples that require thermal preservation are considered acceptable if the arrival temperature is within 2°C of the required temperature or method specified range. For samples with a specified temperature of 4°C, samples with a temperature ranging from just above freezing temperature of water to 6°C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

The samples were received on 04/10/2014; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 5.9 C.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples ARTESIA-TB01-04082014 (600-90241-1), ARTESIA-MW17C-04082014 (600-90241-2), ARTESIA-MW12-04082014 (600-90241-3), ARTESIA-MW18-04082014 (600-90241-4), ARTESIA-MW21-04082014 (600-90241-5), ARTESIA-MW31-04082014 (600-90241-6), ARTESIA-MW25-04082014 (600-90241-7), ARTESIA-MW26-04082014 (600-90241-8), ARTESIA-DUP01-04082014 (600-90241-9), ARTESIA-MW28-04082014 (600-90241-10), ARTESIA-MW30-04082014 (600-90241-11), ARTESIA-MW30-04082014 MS (600-90241-12), ARTESIA-MW30-04082014 MSD (600-90241-13), ARTESIA-MW32-04082014 (600-90241-14), ARTESIA-EB01-04082014 (600-90241-15) and ARTESIA-MW33-04082014 (600-90241-16) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 04/11/2014, 04/12/2014 and 04/21/2014.

1,2,3-Trichlorobenzene, 1,2-Dichloroethane and Naphthalene were detected in method blank MB 600-131850/4 at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

1,2,3-Trichlorobenzene, Hexachlorobutadiene and Naphthalene were detected in method blank MB 600-131912/5 at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

Refer to the QC report for details.

Due to the high concentration of target analytes, the MS/MSD of sample 600-90491-1 in batch 600-132620 could not be evaluated for accuracy and precision.

The presence of the '4' qualifier in the data indicates analytes where the concentration in the unspiked sample exceeded four times the spiking amount.

1,2,3-Trichlorobenzene and Naphthalene exceeded the RPD limit for the MSD of sample 600-90229-19 in batch 600-131850.

Refer to the QC report for details.

Samples ARTESIA-MW12-04082014 (600-90241-3)[5X] and ARTESIA-MW12-04082014 (600-90241-3)[50X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the volatiles analysis.

All other quality control parameters were within the acceptance limits.

SAMPLE SUMMARY

Client: CH2M Hill Constructors, Inc.

Job Number: 600-90241-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
600-90241-1	ARTESIA-TB01-04082014	Water	04/08/2014 0700	04/10/2014 1041
600-90241-2	ARTESIA-MW17C-04082014	Water	04/08/2014 0830	04/10/2014 1041
600-90241-3	ARTESIA-MW12-04082014	Water	04/08/2014 0930	04/10/2014 1041
600-90241-4	ARTESIA-MW18-04082014	Water	04/08/2014 1015	04/10/2014 1041
600-90241-5	ARTESIA-MW21-04082014	Water	04/08/2014 1100	04/10/2014 1041
600-90241-6	ARTESIA-MW31-04082014	Water	04/08/2014 1210	04/10/2014 1041
600-90241-7	ARTESIA-MW25-04082014	Water	04/08/2014 1350	04/10/2014 1041
600-90241-8	ARTESIA-MW26-04082014	Water	04/08/2014 1505	04/10/2014 1041
600-90241-9	ARTESIA-DUP01-04082014	Water	04/08/2014 1700	04/10/2014 1041
600-90241-10	ARTESIA-MW28-04082014	Water	04/08/2014 1545	04/10/2014 1041
600-90241-11	ARTESIA-MW30-04082014	Water	04/08/2014 1640	04/10/2014 1041
600-90241-12	ARTESIA-MW30-04082014 MS	Water	04/08/2014 1640	04/10/2014 1041
600-90241-13	ARTESIA-MW30-04082014 MSD	Water	04/08/2014 1640	04/10/2014 1041
600-90241-14	ARTESIA-MW32-04082014	Water	04/08/2014 1725	04/10/2014 1041
600-90241-15	ARTESIA-EB01-04082014	Water	04/08/2014 1705	04/10/2014 1041
600-90241-16	ARTESIA-MW33-04082014	Water	04/08/2014 1750	04/10/2014 1041

EXECUTIVE SUMMARY - Detections

Client: CH2M Hill Constructors, Inc.

Job Number: 600-90241-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
600-90241-2 ARTESIA-MW17C-04082014						
1,1-Dichloroethene		0.438	J	1.00	ug/L	8260B
Trichloroethene		0.262	J	1.00	ug/L	8260B
1,1-Dichloroethane		0.221	J	1.00	ug/L	8260B
Tetrachloroethene		0.200	J	1.00	ug/L	8260B
600-90241-3 ARTESIA-MW12-04082014						
1,1-Dichloroethene		2.29	J	5.00	ug/L	8260B
cis-1,2-Dichloroethene		46.9		5.00	ug/L	8260B
Benzene		6.21		5.00	ug/L	8260B
Trichloroethene		3.67	J	5.00	ug/L	8260B
1,1-Dichloroethane		26.3		5.00	ug/L	8260B
Tetrachloroethene		1.13	J	5.00	ug/L	8260B
Ethylbenzene		148		5.00	ug/L	8260B
m-Xylene & p-Xylene		48.6		5.00	ug/L	8260B
Xylenes, Total		49.9		5.00	ug/L	8260B
o-Xylene		1.27	J	5.00	ug/L	8260B
Isopropylbenzene		101		5.00	ug/L	8260B
N-Propylbenzene		126		5.00	ug/L	8260B
1,3,5-Trimethylbenzene		0.564	J	5.00	ug/L	8260B
p-Isopropyltoluene		1.14	J	5.00	ug/L	8260B
1,2,4-Trimethylbenzene		271		50.0	ug/L	8260B
sec-Butylbenzene		7.07		5.00	ug/L	8260B
n-Butylbenzene		4.95	J	5.00	ug/L	8260B
Naphthalene		41.9		10.0	ug/L	8260B
600-90241-4 ARTESIA-MW18-04082014						
1,1-Dichloroethene		5.51		1.00	ug/L	8260B
1,1-Dichloroethane		1.18		1.00	ug/L	8260B
Tetrachloroethene		5.64		1.00	ug/L	8260B
Naphthalene		0.670	J B	2.00	ug/L	8260B
600-90241-5 ARTESIA-MW21-04082014						
1,2-Dichloroethane		0.187	J	1.00	ug/L	8260B
1,1-Dichloroethane		0.221	J	1.00	ug/L	8260B
Tetrachloroethene		0.408	J	1.00	ug/L	8260B
600-90241-6 ARTESIA-MW31-04082014						
1,1-Dichloroethane		0.291	J	1.00	ug/L	8260B

EXECUTIVE SUMMARY - Detections

Client: CH2M Hill Constructors, Inc.

Job Number: 600-90241-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
600-90241-7	ARTESIA-MW25-04082014					
cis-1,2-Dichloroethene		0.0721	J	1.00	ug/L	8260B
1,2-Dichloroethane		0.230	J	1.00	ug/L	8260B
Trichloroethene		2.85		1.00	ug/L	8260B
1,1-Dichloroethane		4.36		1.00	ug/L	8260B
Tetrachloroethene		15.7		1.00	ug/L	8260B
600-90241-8	ARTESIA-MW26-04082014					
1,1-Dichloroethene		1.10		1.00	ug/L	8260B
1,2-Dichloroethane		0.147	J	1.00	ug/L	8260B
Trichloroethene		0.369	J	1.00	ug/L	8260B
1,1-Dichloroethane		0.219	J	1.00	ug/L	8260B
Tetrachloroethene		0.959	J	1.00	ug/L	8260B
600-90241-9	ARTESIA-DUP01-04082014					
1,1-Dichloroethene		1.18		1.00	ug/L	8260B
1,2-Dichloroethane		0.148	J	1.00	ug/L	8260B
Trichloroethene		0.381	J	1.00	ug/L	8260B
1,1-Dichloroethane		0.219	J	1.00	ug/L	8260B
Tetrachloroethene		0.937	J	1.00	ug/L	8260B
600-90241-10	ARTESIA-MW28-04082014					
1,1-Dichloroethene		24.1		1.00	ug/L	8260B
Methyl tert-butyl ether		0.678	J	1.00	ug/L	8260B
cis-1,2-Dichloroethene		0.441	J	1.00	ug/L	8260B
1,2-Dichloroethane		0.322	J	1.00	ug/L	8260B
Trichloroethene		7.21		1.00	ug/L	8260B
1,1-Dichloroethane		8.15		1.00	ug/L	8260B
Tetrachloroethene		26.3		1.00	ug/L	8260B
600-90241-11	ARTESIA-MW30-04082014					
1,1-Dichloroethene		32.2		1.00	ug/L	8260B
cis-1,2-Dichloroethene		0.205	J	1.00	ug/L	8260B
Benzene		0.0842	J	1.00	ug/L	8260B
1,2-Dichloroethane		0.366	J	1.00	ug/L	8260B
Trichloroethene		8.22		1.00	ug/L	8260B
1,1-Dichloroethane		9.30		1.00	ug/L	8260B
Chloroform		0.142	J	1.00	ug/L	8260B
Tetrachloroethene		41.3		1.00	ug/L	8260B

EXECUTIVE SUMMARY - Detections

Client: CH2M Hill Constructors, Inc.

Job Number: 600-90241-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
600-90241-12	ARTESIA-MW30-04082014 MS					
1,1-Dichloroethene		33.1		1.00	ug/L	8260B
cis-1,2-Dichloroethene		0.211	J	1.00	ug/L	8260B
1,2-Dichloroethane		0.367	J	1.00	ug/L	8260B
Trichloroethene		8.62		1.00	ug/L	8260B
1,1-Dichloroethane		9.43		1.00	ug/L	8260B
Chloroform		0.148	J	1.00	ug/L	8260B
Tetrachloroethene		43.4		1.00	ug/L	8260B
600-90241-13	ARTESIA-MW30-04082014 MSD					
cis-1,2-Dichloroethene		0.197	J	1.00	ug/L	8260B
Benzene		0.0855	J	1.00	ug/L	8260B
1,2-Dichloroethane		0.354	J	1.00	ug/L	8260B
Trichloroethene		7.70		1.00	ug/L	8260B
1,1-Dichloroethane		8.56		1.00	ug/L	8260B
Chloroform		0.131	J	1.00	ug/L	8260B
Tetrachloroethene		38.6		1.00	ug/L	8260B
600-90241-14	ARTESIA-MW32-04082014					
1,1-Dichloroethene		3.55		1.00	ug/L	8260B
Trichloroethene		0.963	J	1.00	ug/L	8260B
1,1-Dichloroethane		0.890	J	1.00	ug/L	8260B
Tetrachloroethene		5.38		1.00	ug/L	8260B
600-90241-15	ARTESIA-EB01-04082014					
Methylene Chloride		0.333	J	5.00	ug/L	8260B
1,2-Dichloroethane		0.165	J	1.00	ug/L	8260B

METHOD SUMMARY

Client: CH2M Hill Constructors, Inc.

Job Number: 600-90241-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Volatile Organic Compounds (GC/MS)	TAL HOU	SW846 8260B	
Purge and Trap	TAL HOU		SW846 5030B

Lab References:

TAL HOU = TestAmerica Houston

Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: CH2M Hill Constructors, Inc.

Job Number: 600-90241-1

Method	Analyst	Analyst ID
SW846 8260B	Shen, Wei	WS1
SW846 8260B	Teng, Danica	DT1

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-90241-1

Client Sample ID: ARTESIA-TB01-04082014

Lab Sample ID: 600-90241-1

Date Sampled: 04/08/2014 0700

Client Matrix: Water

Date Received: 04/10/2014 1041

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-131912	Instrument ID:	VOAMS01
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	C10214.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	04/12/2014 1555			Final Weight/Volume:	20 mL
Prep Date:	04/12/2014 1555				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dichlorodifluoromethane	0.120	U	0.120	1.00
Chloromethane	0.180	U	0.180	2.00
Vinyl chloride	0.110	U	0.110	2.00
Bromomethane	0.250	U	0.250	2.00
Chloroethane	0.0800	U	0.0800	2.00
Trichlorofluoromethane	0.0800	U	0.0800	1.00
1,1-Dichloroethene	0.190	U	0.190	1.00
trans-1,2-Dichloroethene	0.0900	U	0.0900	1.00
Methyl tert-butyl ether	0.120	U	0.120	1.00
Methylene Chloride	0.150	U	0.150	5.00
cis-1,2-Dichloroethene	0.0600	U	0.0600	1.00
2-Butanone (MEK)	0.760	U	0.760	2.00
Bromochloromethane	0.180	U	0.180	1.00
Carbon tetrachloride	0.150	U	0.150	1.00
Benzene	0.0800	U	0.0800	1.00
1,2-Dichloroethane	0.140	U	0.140	1.00
Trichloroethene	0.180	U	0.180	1.00
1,1,1-Trichloroethane	0.150	U	0.150	1.00
1,1-Dichloroethane	0.110	U	0.110	1.00
1,2-Dichloropropane	0.160	U	0.160	1.00
2,2-Dichloropropane	0.130	U	0.130	1.00
Dibromomethane	0.520	U	0.520	1.00
Chloroform	0.130	U	0.130	1.00
Bromodichloromethane	0.160	U	0.160	1.00
2-Chloroethyl vinyl ether	0.500	U	0.500	2.00
1,1-Dichloropropene	0.210	U	0.210	1.00
cis-1,3-Dichloropropene	0.180	U	0.180	1.00
Toluene	0.150	U	0.150	1.00
trans-1,3-Dichloropropene	0.210	U	0.210	1.00
1,1,2-Trichloroethane	0.280	U	0.280	1.00
Tetrachloroethene	0.130	U	0.130	1.00
1,3-Dichloropropane	0.220	U	0.220	1.00
Chlorodibromomethane	0.150	U	0.150	1.00
1,2-Dibromoethane	0.180	U	0.180	1.00
Chlorobenzene	0.120	U	0.120	1.00
1,1,1,2-Tetrachloroethane	0.180	U	0.180	1.00
Ethylbenzene	0.110	U	0.110	1.00
m-Xylene & p-Xylene	0.170	U	0.170	1.00
Xylenes, Total	0.260	U	0.260	1.00
o-Xylene	0.120	U	0.120	1.00
Styrene	0.0700	U	0.0700	1.00
Bromoform	0.190	U	0.190	1.00
Isopropylbenzene	0.180	U	0.180	1.00
Bromobenzene	0.190	U	0.190	1.00
1,2,3-Trichloropropane	0.290	U	0.290	1.00
1,1,2,2-Tetrachloroethane	0.220	U	0.220	1.00

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-90241-1

Client Sample ID: ARTESIA-TB01-04082014

Lab Sample ID: 600-90241-1

Date Sampled: 04/08/2014 0700

Client Matrix: Water

Date Received: 04/10/2014 1041

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-131912	Instrument ID:	VOAMS01
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	C10214.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	04/12/2014 1555			Final Weight/Volume:	20 mL
Prep Date:	04/12/2014 1555				

Analyte	Result (ug/L)	Qualifier	MDL	RL
N-Propylbenzene	0.150	U	0.150	1.00
2-Chlorotoluene	0.130	U	0.130	1.00
4-Chlorotoluene	0.140	U	0.140	1.00
1,3,5-Trimethylbenzene	0.100	U	0.100	1.00
tert-Butylbenzene	0.0800	U	0.0800	1.00
p-Isopropyltoluene	0.100	U	0.100	1.00
1,2,4-Trimethylbenzene	0.140	U	0.140	1.00
sec-Butylbenzene	0.120	U	0.120	1.00
1,3-Dichlorobenzene	0.130	U	0.130	1.00
1,4-Dichlorobenzene	0.110	U	0.110	1.00
1,2-Dichlorobenzene	0.100	U	0.100	1.00
n-Butylbenzene	0.160	U	0.160	1.00
1,2-Dibromo-3-Chloropropane	0.810	U	0.810	1.00
1,2,4-Trichlorobenzene	0.310	U	0.310	1.00
Hexachlorobutadiene	0.170	U	0.170	1.00
Naphthalene	0.320	U	0.320	2.00
1,2,3-Trichlorobenzene	0.570	U	0.570	1.00
Surrogate	%Rec	Qualifier	Acceptance Limits	
4-Bromofluorobenzene	111		67 - 139	
Dibromofluoromethane	86		62 - 130	
Toluene-d8 (Surr)	100		70 - 130	
1,2-Dichloroethane-d4 (Surr)	88		50 - 134	

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-90241-1

Client Sample ID: ARTESIA-MW17C-04082014

Lab Sample ID: 600-90241-2

Date Sampled: 04/08/2014 0830

Client Matrix: Water

Date Received: 04/10/2014 1041

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-131850	Instrument ID:	VOAMS01
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	C10124.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	04/11/2014 1941			Final Weight/Volume:	20 mL
Prep Date:	04/11/2014 1941				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dichlorodifluoromethane	0.120	U	0.120	1.00
Chloromethane	0.180	U	0.180	2.00
Vinyl chloride	0.110	U	0.110	2.00
Bromomethane	0.250	U	0.250	2.00
Chloroethane	0.0800	U	0.0800	2.00
Trichlorofluoromethane	0.0800	U	0.0800	1.00
1,1-Dichloroethene	0.438	J	0.190	1.00
trans-1,2-Dichloroethene	0.0900	U	0.0900	1.00
Methyl tert-butyl ether	0.120	U	0.120	1.00
Methylene Chloride	0.150	U	0.150	5.00
cis-1,2-Dichloroethene	0.0600	U	0.0600	1.00
2-Butanone (MEK)	0.760	U	0.760	2.00
Bromochloromethane	0.180	U	0.180	1.00
Carbon tetrachloride	0.150	U	0.150	1.00
Benzene	0.0800	U	0.0800	1.00
1,2-Dichloroethane	0.140	U	0.140	1.00
Trichloroethene	0.262	J	0.180	1.00
1,1,1-Trichloroethane	0.150	U	0.150	1.00
1,1-Dichloroethane	0.221	J	0.110	1.00
1,2-Dichloropropane	0.160	U	0.160	1.00
2,2-Dichloropropane	0.130	U	0.130	1.00
Dibromomethane	0.520	U	0.520	1.00
Chloroform	0.130	U	0.130	1.00
Bromodichloromethane	0.160	U	0.160	1.00
2-Chloroethyl vinyl ether	0.500	U	0.500	2.00
1,1-Dichloropropene	0.210	U	0.210	1.00
cis-1,3-Dichloropropene	0.180	U	0.180	1.00
Toluene	0.150	U	0.150	1.00
trans-1,3-Dichloropropene	0.210	U	0.210	1.00
1,1,2-Trichloroethane	0.280	U	0.280	1.00
Tetrachloroethene	0.200	J	0.130	1.00
1,3-Dichloropropane	0.220	U	0.220	1.00
Chlorodibromomethane	0.150	U	0.150	1.00
1,2-Dibromoethane	0.180	U	0.180	1.00
Chlorobenzene	0.120	U	0.120	1.00
1,1,1,2-Tetrachloroethane	0.180	U	0.180	1.00
Ethylbenzene	0.110	U	0.110	1.00
m-Xylene & p-Xylene	0.170	U	0.170	1.00
Xylenes, Total	0.260	U	0.260	1.00
o-Xylene	0.120	U	0.120	1.00
Styrene	0.0700	U	0.0700	1.00
Bromoform	0.190	U	0.190	1.00
Isopropylbenzene	0.180	U	0.180	1.00
Bromobenzene	0.190	U	0.190	1.00
1,2,3-Trichloropropane	0.290	U	0.290	1.00
1,1,2,2-Tetrachloroethane	0.220	U	0.220	1.00

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-90241-1

Client Sample ID: ARTESIA-MW17C-04082014

Lab Sample ID: 600-90241-2

Date Sampled: 04/08/2014 0830

Client Matrix: Water

Date Received: 04/10/2014 1041

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-131850	Instrument ID:	VOAMS01
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	C10124.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	04/11/2014 1941			Final Weight/Volume:	20 mL
Prep Date:	04/11/2014 1941				

Analyte	Result (ug/L)	Qualifier	MDL	RL
N-Propylbenzene	0.150	U	0.150	1.00
2-Chlorotoluene	0.130	U	0.130	1.00
4-Chlorotoluene	0.140	U	0.140	1.00
1,3,5-Trimethylbenzene	0.100	U	0.100	1.00
tert-Butylbenzene	0.0800	U	0.0800	1.00
p-Isopropyltoluene	0.100	U	0.100	1.00
1,2,4-Trimethylbenzene	0.140	U	0.140	1.00
sec-Butylbenzene	0.120	U	0.120	1.00
1,3-Dichlorobenzene	0.130	U	0.130	1.00
1,4-Dichlorobenzene	0.110	U	0.110	1.00
1,2-Dichlorobenzene	0.100	U	0.100	1.00
n-Butylbenzene	0.160	U	0.160	1.00
1,2-Dibromo-3-Chloropropane	0.810	U	0.810	1.00
1,2,4-Trichlorobenzene	0.310	U	0.310	1.00
Hexachlorobutadiene	0.170	U	0.170	1.00
Naphthalene	0.320	U	0.320	2.00
1,2,3-Trichlorobenzene	0.570	U	0.570	1.00

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	114		67 - 139
Dibromofluoromethane	74		62 - 130
Toluene-d8 (Surr)	99		70 - 130
1,2-Dichloroethane-d4 (Surr)	72		50 - 134

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-90241-1

Client Sample ID: ARTESIA-MW12-04082014

Lab Sample ID: 600-90241-3

Date Sampled: 04/08/2014 0930

Client Matrix: Water

Date Received: 04/10/2014 1041

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-132620	Instrument ID:	VOAMS06
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	J11107.D
Dilution:	5.0			Initial Weight/Volume:	20 mL
Analysis Date:	04/21/2014 1228			Final Weight/Volume:	20 mL
Prep Date:	04/21/2014 1228				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dichlorodifluoromethane	0.600	U	0.600	5.00
Chloromethane	0.900	U	0.900	10.0
Vinyl chloride	0.550	U	0.550	10.0
Bromomethane	1.25	U	1.25	10.0
Chloroethane	0.400	U	0.400	10.0
Trichlorofluoromethane	0.400	U	0.400	5.00
1,1-Dichloroethene	2.29	J	0.950	5.00
trans-1,2-Dichloroethene	0.450	U	0.450	5.00
Methyl tert-butyl ether	0.600	U	0.600	5.00
Methylene Chloride	0.750	U	0.750	25.0
cis-1,2-Dichloroethene	46.9		0.300	5.00
2-Butanone (MEK)	3.80	U	3.80	10.0
Bromochloromethane	0.900	U	0.900	5.00
Carbon tetrachloride	0.750	U	0.750	5.00
Benzene	6.21		0.400	5.00
1,2-Dichloroethane	0.700	U	0.700	5.00
Trichloroethene	3.67	J	0.900	5.00
1,1,1-Trichloroethane	0.750	U	0.750	5.00
1,1-Dichloroethane	26.3		0.550	5.00
1,2-Dichloropropane	0.800	U	0.800	5.00
2,2-Dichloropropane	0.650	U	0.650	5.00
Dibromomethane	2.60	U	2.60	5.00
Chloroform	0.650	U	0.650	5.00
Bromodichloromethane	0.800	U	0.800	5.00
2-Chloroethyl vinyl ether	2.50	U	2.50	10.0
1,1-Dichloropropene	1.05	U	1.05	5.00
cis-1,3-Dichloropropene	0.900	U	0.900	5.00
Toluene	0.750	U	0.750	5.00
trans-1,3-Dichloropropene	1.05	U	1.05	5.00
1,1,2-Trichloroethane	1.40	U	1.40	5.00
Tetrachloroethene	1.13	J	0.650	5.00
1,3-Dichloropropane	1.10	U	1.10	5.00
Chlorodibromomethane	0.750	U	0.750	5.00
1,2-Dibromoethane	0.900	U	0.900	5.00
Chlorobenzene	0.600	U	0.600	5.00
1,1,1,2-Tetrachloroethane	0.900	U	0.900	5.00
Ethylbenzene	148		0.550	5.00
m-Xylene & p-Xylene	48.6		0.850	5.00
Xylenes, Total	49.9		1.30	5.00
o-Xylene	1.27	J	0.600	5.00
Styrene	0.350	U	0.350	5.00
Bromoform	0.950	U	0.950	5.00
Isopropylbenzene	101		0.900	5.00
Bromobenzene	0.950	U	0.950	5.00
1,2,3-Trichloropropane	1.45	U	1.45	5.00
1,1,2,2-Tetrachloroethane	1.10	U	1.10	5.00

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-90241-1

Client Sample ID: ARTESIA-MW12-04082014

Lab Sample ID: 600-90241-3

Date Sampled: 04/08/2014 0930

Client Matrix: Water

Date Received: 04/10/2014 1041

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-132620	Instrument ID:	VOAMS06
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	J11107.D
Dilution:	5.0			Initial Weight/Volume:	20 mL
Analysis Date:	04/21/2014 1228			Final Weight/Volume:	20 mL
Prep Date:	04/21/2014 1228				

Analyte	Result (ug/L)	Qualifier	MDL	RL
N-Propylbenzene	126		0.750	5.00
2-Chlorotoluene	0.650	U	0.650	5.00
4-Chlorotoluene	0.700	U	0.700	5.00
1,3,5-Trimethylbenzene	0.564	J	0.500	5.00
tert-Butylbenzene	0.400	U	0.400	5.00
p-Isopropyltoluene	1.14	J	0.500	5.00
sec-Butylbenzene	7.07		0.600	5.00
1,3-Dichlorobenzene	0.650	U	0.650	5.00
1,4-Dichlorobenzene	0.550	U	0.550	5.00
1,2-Dichlorobenzene	0.500	U	0.500	5.00
n-Butylbenzene	4.95	J	0.800	5.00
1,2-Dibromo-3-Chloropropane	4.05	U	4.05	5.00
1,2,4-Trichlorobenzene	1.55	U	1.55	5.00
Hexachlorobutadiene	0.850	U	0.850	5.00
Naphthalene	41.9		1.60	10.0
1,2,3-Trichlorobenzene	2.85	U	2.85	5.00

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	87		67 - 139
Dibromofluoromethane	85		62 - 130
Toluene-d8 (Surr)	96		70 - 130
1,2-Dichloroethane-d4 (Surr)	79		50 - 134

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-90241-1

Client Sample ID: ARTESIA-MW12-04082014

Lab Sample ID: 600-90241-3

Date Sampled: 04/08/2014 0930

Client Matrix: Water

Date Received: 04/10/2014 1041

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-131912	Instrument ID:	VOAMS01
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	C10225.D
Dilution:	50			Initial Weight/Volume:	20 mL
Analysis Date:	04/12/2014 2035	Run Type:	DL	Final Weight/Volume:	20 mL
Prep Date:	04/12/2014 2035				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,2,4-Trimethylbenzene	271		7.00	50.0

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	114		67 - 139
Dibromofluoromethane	93		62 - 130
Toluene-d8 (Surr)	110		70 - 130
1,2-Dichloroethane-d4 (Surr)	94		50 - 134

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-90241-1

Client Sample ID: ARTESIA-MW18-04082014

Lab Sample ID: 600-90241-4

Date Sampled: 04/08/2014 1015

Client Matrix: Water

Date Received: 04/10/2014 1041

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-131912	Instrument ID:	VOAMS01
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	C10207.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	04/12/2014 1251			Final Weight/Volume:	20 mL
Prep Date:	04/12/2014 1251				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dichlorodifluoromethane	0.120	U	0.120	1.00
Chloromethane	0.180	U	0.180	2.00
Vinyl chloride	0.110	U	0.110	2.00
Bromomethane	0.250	U	0.250	2.00
Chloroethane	0.0800	U	0.0800	2.00
Trichlorofluoromethane	0.0800	U	0.0800	1.00
1,1-Dichloroethene	5.51		0.190	1.00
trans-1,2-Dichloroethene	0.0900	U	0.0900	1.00
Methyl tert-butyl ether	0.120	U	0.120	1.00
Methylene Chloride	0.150	U	0.150	5.00
cis-1,2-Dichloroethene	0.0600	U	0.0600	1.00
2-Butanone (MEK)	0.760	U	0.760	2.00
Bromochloromethane	0.180	U	0.180	1.00
Carbon tetrachloride	0.150	U	0.150	1.00
Benzene	0.0800	U	0.0800	1.00
1,2-Dichloroethane	0.140	U	0.140	1.00
Trichloroethene	0.180	U	0.180	1.00
1,1,1-Trichloroethane	0.150	U	0.150	1.00
1,1-Dichloroethane	1.18		0.110	1.00
1,2-Dichloropropane	0.160	U	0.160	1.00
2,2-Dichloropropane	0.130	U	0.130	1.00
Dibromomethane	0.520	U	0.520	1.00
Chloroform	0.130	U	0.130	1.00
Bromodichloromethane	0.160	U	0.160	1.00
2-Chloroethyl vinyl ether	0.500	U	0.500	2.00
1,1-Dichloropropene	0.210	U	0.210	1.00
cis-1,3-Dichloropropene	0.180	U	0.180	1.00
Toluene	0.150	U	0.150	1.00
trans-1,3-Dichloropropene	0.210	U	0.210	1.00
1,1,2-Trichloroethane	0.280	U	0.280	1.00
Tetrachloroethene	5.64		0.130	1.00
1,3-Dichloropropane	0.220	U	0.220	1.00
Chlorodibromomethane	0.150	U	0.150	1.00
1,2-Dibromoethane	0.180	U	0.180	1.00
Chlorobenzene	0.120	U	0.120	1.00
1,1,1,2-Tetrachloroethane	0.180	U	0.180	1.00
Ethylbenzene	0.110	U	0.110	1.00
m-Xylene & p-Xylene	0.170	U	0.170	1.00
Xylenes, Total	0.260	U	0.260	1.00
o-Xylene	0.120	U	0.120	1.00
Styrene	0.0700	U	0.0700	1.00
Bromoform	0.190	U	0.190	1.00
Isopropylbenzene	0.180	U	0.180	1.00
Bromobenzene	0.190	U	0.190	1.00
1,2,3-Trichloropropane	0.290	U	0.290	1.00
1,1,2,2-Tetrachloroethane	0.220	U	0.220	1.00

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-90241-1

Client Sample ID: ARTESIA-MW18-04082014

Lab Sample ID: 600-90241-4

Date Sampled: 04/08/2014 1015

Client Matrix: Water

Date Received: 04/10/2014 1041

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-131912	Instrument ID:	VOAMS01
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	C10207.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	04/12/2014 1251			Final Weight/Volume:	20 mL
Prep Date:	04/12/2014 1251				

Analyte	Result (ug/L)	Qualifier	MDL	RL
N-Propylbenzene	0.150	U	0.150	1.00
2-Chlorotoluene	0.130	U	0.130	1.00
4-Chlorotoluene	0.140	U	0.140	1.00
1,3,5-Trimethylbenzene	0.100	U	0.100	1.00
tert-Butylbenzene	0.0800	U	0.0800	1.00
p-Isopropyltoluene	0.100	U	0.100	1.00
1,2,4-Trimethylbenzene	0.140	U	0.140	1.00
sec-Butylbenzene	0.120	U	0.120	1.00
1,3-Dichlorobenzene	0.130	U	0.130	1.00
1,4-Dichlorobenzene	0.110	U	0.110	1.00
1,2-Dichlorobenzene	0.100	U	0.100	1.00
n-Butylbenzene	0.160	U	0.160	1.00
1,2-Dibromo-3-Chloropropane	0.810	U	0.810	1.00
1,2,4-Trichlorobenzene	0.310	U	0.310	1.00
Hexachlorobutadiene	0.170	U	0.170	1.00
Naphthalene	0.670	J B	0.320	2.00
1,2,3-Trichlorobenzene	0.570	U	0.570	1.00
Surrogate	%Rec	Qualifier	Acceptance Limits	
4-Bromofluorobenzene	109		67 - 139	
Dibromofluoromethane	78		62 - 130	
Toluene-d8 (Surr)	99		70 - 130	
1,2-Dichloroethane-d4 (Surr)	77		50 - 134	

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-90241-1

Client Sample ID: ARTESIA-MW21-04082014

Lab Sample ID: 600-90241-5

Date Sampled: 04/08/2014 1100

Client Matrix: Water

Date Received: 04/10/2014 1041

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-131912	Instrument ID:	VOAMS01
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	C10213.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	04/12/2014 1526			Final Weight/Volume:	20 mL
Prep Date:	04/12/2014 1526				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dichlorodifluoromethane	0.120	U	0.120	1.00
Chloromethane	0.180	U	0.180	2.00
Vinyl chloride	0.110	U	0.110	2.00
Bromomethane	0.250	U	0.250	2.00
Chloroethane	0.0800	U	0.0800	2.00
Trichlorofluoromethane	0.0800	U	0.0800	1.00
1,1-Dichloroethene	0.190	U	0.190	1.00
trans-1,2-Dichloroethene	0.0900	U	0.0900	1.00
Methyl tert-butyl ether	0.120	U	0.120	1.00
Methylene Chloride	0.150	U	0.150	5.00
cis-1,2-Dichloroethene	0.0600	U	0.0600	1.00
2-Butanone (MEK)	0.760	U	0.760	2.00
Bromochloromethane	0.180	U	0.180	1.00
Carbon tetrachloride	0.150	U	0.150	1.00
Benzene	0.0800	U	0.0800	1.00
1,2-Dichloroethane	0.187	J	0.140	1.00
Trichloroethene	0.180	U	0.180	1.00
1,1,1-Trichloroethane	0.150	U	0.150	1.00
1,1-Dichloroethane	0.221	J	0.110	1.00
1,2-Dichloropropane	0.160	U	0.160	1.00
2,2-Dichloropropane	0.130	U	0.130	1.00
Dibromomethane	0.520	U	0.520	1.00
Chloroform	0.130	U	0.130	1.00
Bromodichloromethane	0.160	U	0.160	1.00
2-Chloroethyl vinyl ether	0.500	U	0.500	2.00
1,1-Dichloropropene	0.210	U	0.210	1.00
cis-1,3-Dichloropropene	0.180	U	0.180	1.00
Toluene	0.150	U	0.150	1.00
trans-1,3-Dichloropropene	0.210	U	0.210	1.00
1,1,2-Trichloroethane	0.280	U	0.280	1.00
Tetrachloroethene	0.408	J	0.130	1.00
1,3-Dichloropropane	0.220	U	0.220	1.00
Chlorodibromomethane	0.150	U	0.150	1.00
1,2-Dibromoethane	0.180	U	0.180	1.00
Chlorobenzene	0.120	U	0.120	1.00
1,1,1,2-Tetrachloroethane	0.180	U	0.180	1.00
Ethylbenzene	0.110	U	0.110	1.00
m-Xylene & p-Xylene	0.170	U	0.170	1.00
Xylenes, Total	0.260	U	0.260	1.00
o-Xylene	0.120	U	0.120	1.00
Styrene	0.0700	U	0.0700	1.00
Bromoform	0.190	U	0.190	1.00
Isopropylbenzene	0.180	U	0.180	1.00
Bromobenzene	0.190	U	0.190	1.00
1,2,3-Trichloropropane	0.290	U	0.290	1.00
1,1,2,2-Tetrachloroethane	0.220	U	0.220	1.00

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-90241-1

Client Sample ID: ARTESIA-MW21-04082014

Lab Sample ID: 600-90241-5

Date Sampled: 04/08/2014 1100

Client Matrix: Water

Date Received: 04/10/2014 1041

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-131912	Instrument ID:	VOAMS01
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	C10213.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	04/12/2014 1526			Final Weight/Volume:	20 mL
Prep Date:	04/12/2014 1526				

Analyte	Result (ug/L)	Qualifier	MDL	RL
N-Propylbenzene	0.150	U	0.150	1.00
2-Chlorotoluene	0.130	U	0.130	1.00
4-Chlorotoluene	0.140	U	0.140	1.00
1,3,5-Trimethylbenzene	0.100	U	0.100	1.00
tert-Butylbenzene	0.0800	U	0.0800	1.00
p-Isopropyltoluene	0.100	U	0.100	1.00
1,2,4-Trimethylbenzene	0.140	U	0.140	1.00
sec-Butylbenzene	0.120	U	0.120	1.00
1,3-Dichlorobenzene	0.130	U	0.130	1.00
1,4-Dichlorobenzene	0.110	U	0.110	1.00
1,2-Dichlorobenzene	0.100	U	0.100	1.00
n-Butylbenzene	0.160	U	0.160	1.00
1,2-Dibromo-3-Chloropropane	0.810	U	0.810	1.00
1,2,4-Trichlorobenzene	0.310	U	0.310	1.00
Hexachlorobutadiene	0.170	U	0.170	1.00
Naphthalene	0.320	U	0.320	2.00
1,2,3-Trichlorobenzene	0.570	U	0.570	1.00

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	113		67 - 139
Dibromofluoromethane	87		62 - 130
Toluene-d8 (Surr)	103		70 - 130
1,2-Dichloroethane-d4 (Surr)	89		50 - 134

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-90241-1

Client Sample ID: ARTESIA-MW31-04082014

Lab Sample ID: 600-90241-6

Date Sampled: 04/08/2014 1210

Client Matrix: Water

Date Received: 04/10/2014 1041

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-131912	Instrument ID:	VOAMS01
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	C10215.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	04/12/2014 1620			Final Weight/Volume:	20 mL
Prep Date:	04/12/2014 1620				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dichlorodifluoromethane	0.120	U	0.120	1.00
Chloromethane	0.180	U	0.180	2.00
Vinyl chloride	0.110	U	0.110	2.00
Bromomethane	0.250	U	0.250	2.00
Chloroethane	0.0800	U	0.0800	2.00
Trichlorofluoromethane	0.0800	U	0.0800	1.00
1,1-Dichloroethene	0.190	U	0.190	1.00
trans-1,2-Dichloroethene	0.0900	U	0.0900	1.00
Methyl tert-butyl ether	0.120	U	0.120	1.00
Methylene Chloride	0.150	U	0.150	5.00
cis-1,2-Dichloroethene	0.0600	U	0.0600	1.00
2-Butanone (MEK)	0.760	U	0.760	2.00
Bromochloromethane	0.180	U	0.180	1.00
Carbon tetrachloride	0.150	U	0.150	1.00
Benzene	0.0800	U	0.0800	1.00
1,2-Dichloroethane	0.140	U	0.140	1.00
Trichloroethene	0.180	U	0.180	1.00
1,1,1-Trichloroethane	0.150	U	0.150	1.00
1,1-Dichloroethane	0.291	J	0.110	1.00
1,2-Dichloropropane	0.160	U	0.160	1.00
2,2-Dichloropropane	0.130	U	0.130	1.00
Dibromomethane	0.520	U	0.520	1.00
Chloroform	0.130	U	0.130	1.00
Bromodichloromethane	0.160	U	0.160	1.00
2-Chloroethyl vinyl ether	0.500	U	0.500	2.00
1,1-Dichloropropene	0.210	U	0.210	1.00
cis-1,3-Dichloropropene	0.180	U	0.180	1.00
Toluene	0.150	U	0.150	1.00
trans-1,3-Dichloropropene	0.210	U	0.210	1.00
1,1,2-Trichloroethane	0.280	U	0.280	1.00
Tetrachloroethene	0.130	U	0.130	1.00
1,3-Dichloropropane	0.220	U	0.220	1.00
Chlorodibromomethane	0.150	U	0.150	1.00
1,2-Dibromoethane	0.180	U	0.180	1.00
Chlorobenzene	0.120	U	0.120	1.00
1,1,1,2-Tetrachloroethane	0.180	U	0.180	1.00
Ethylbenzene	0.110	U	0.110	1.00
m-Xylene & p-Xylene	0.170	U	0.170	1.00
Xylenes, Total	0.260	U	0.260	1.00
o-Xylene	0.120	U	0.120	1.00
Styrene	0.0700	U	0.0700	1.00
Bromoform	0.190	U	0.190	1.00
Isopropylbenzene	0.180	U	0.180	1.00
Bromobenzene	0.190	U	0.190	1.00
1,2,3-Trichloropropane	0.290	U	0.290	1.00
1,1,2,2-Tetrachloroethane	0.220	U	0.220	1.00

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-90241-1

Client Sample ID: ARTESIA-MW31-04082014

Lab Sample ID: 600-90241-6

Date Sampled: 04/08/2014 1210

Client Matrix: Water

Date Received: 04/10/2014 1041

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-131912	Instrument ID:	VOAMS01
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	C10215.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	04/12/2014 1620			Final Weight/Volume:	20 mL
Prep Date:	04/12/2014 1620				

Analyte	Result (ug/L)	Qualifier	MDL	RL
N-Propylbenzene	0.150	U	0.150	1.00
2-Chlorotoluene	0.130	U	0.130	1.00
4-Chlorotoluene	0.140	U	0.140	1.00
1,3,5-Trimethylbenzene	0.100	U	0.100	1.00
tert-Butylbenzene	0.0800	U	0.0800	1.00
p-Isopropyltoluene	0.100	U	0.100	1.00
1,2,4-Trimethylbenzene	0.140	U	0.140	1.00
sec-Butylbenzene	0.120	U	0.120	1.00
1,3-Dichlorobenzene	0.130	U	0.130	1.00
1,4-Dichlorobenzene	0.110	U	0.110	1.00
1,2-Dichlorobenzene	0.100	U	0.100	1.00
n-Butylbenzene	0.160	U	0.160	1.00
1,2-Dibromo-3-Chloropropane	0.810	U	0.810	1.00
1,2,4-Trichlorobenzene	0.310	U	0.310	1.00
Hexachlorobutadiene	0.170	U	0.170	1.00
Naphthalene	0.320	U	0.320	2.00
1,2,3-Trichlorobenzene	0.570	U	0.570	1.00

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	104		67 - 139
Dibromofluoromethane	82		62 - 130
Toluene-d8 (Surr)	94		70 - 130
1,2-Dichloroethane-d4 (Surr)	84		50 - 134

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-90241-1

Client Sample ID: ARTESIA-MW25-04082014

Lab Sample ID: 600-90241-7

Date Sampled: 04/08/2014 1350

Client Matrix: Water

Date Received: 04/10/2014 1041

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-131912	Instrument ID:	VOAMS01
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	C10216.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	04/12/2014 1645			Final Weight/Volume:	20 mL
Prep Date:	04/12/2014 1645				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dichlorodifluoromethane	0.120	U	0.120	1.00
Chloromethane	0.180	U	0.180	2.00
Vinyl chloride	0.110	U	0.110	2.00
Bromomethane	0.250	U	0.250	2.00
Chloroethane	0.0800	U	0.0800	2.00
Trichlorofluoromethane	0.0800	U	0.0800	1.00
1,1-Dichloroethene	0.190	U	0.190	1.00
trans-1,2-Dichloroethene	0.0900	U	0.0900	1.00
Methyl tert-butyl ether	0.120	U	0.120	1.00
Methylene Chloride	0.150	U	0.150	5.00
cis-1,2-Dichloroethene	0.0721	J	0.0600	1.00
2-Butanone (MEK)	0.760	U	0.760	2.00
Bromochloromethane	0.180	U	0.180	1.00
Carbon tetrachloride	0.150	U	0.150	1.00
Benzene	0.0800	U	0.0800	1.00
1,2-Dichloroethane	0.230	J	0.140	1.00
Trichloroethene	2.85		0.180	1.00
1,1,1-Trichloroethane	0.150	U	0.150	1.00
1,1-Dichloroethane	4.36		0.110	1.00
1,2-Dichloropropane	0.160	U	0.160	1.00
2,2-Dichloropropane	0.130	U	0.130	1.00
Dibromomethane	0.520	U	0.520	1.00
Chloroform	0.130	U	0.130	1.00
Bromodichloromethane	0.160	U	0.160	1.00
2-Chloroethyl vinyl ether	0.500	U	0.500	2.00
1,1-Dichloropropene	0.210	U	0.210	1.00
cis-1,3-Dichloropropene	0.180	U	0.180	1.00
Toluene	0.150	U	0.150	1.00
trans-1,3-Dichloropropene	0.210	U	0.210	1.00
1,1,2-Trichloroethane	0.280	U	0.280	1.00
Tetrachloroethene	15.7		0.130	1.00
1,3-Dichloropropane	0.220	U	0.220	1.00
Chlorodibromomethane	0.150	U	0.150	1.00
1,2-Dibromoethane	0.180	U	0.180	1.00
Chlorobenzene	0.120	U	0.120	1.00
1,1,1,2-Tetrachloroethane	0.180	U	0.180	1.00
Ethylbenzene	0.110	U	0.110	1.00
m-Xylene & p-Xylene	0.170	U	0.170	1.00
Xylenes, Total	0.260	U	0.260	1.00
o-Xylene	0.120	U	0.120	1.00
Styrene	0.0700	U	0.0700	1.00
Bromoform	0.190	U	0.190	1.00
Isopropylbenzene	0.180	U	0.180	1.00
Bromobenzene	0.190	U	0.190	1.00
1,2,3-Trichloropropane	0.290	U	0.290	1.00
1,1,2,2-Tetrachloroethane	0.220	U	0.220	1.00

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-90241-1

Client Sample ID: ARTESIA-MW25-04082014

Lab Sample ID: 600-90241-7

Date Sampled: 04/08/2014 1350

Client Matrix: Water

Date Received: 04/10/2014 1041

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-131912	Instrument ID:	VOAMS01
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	C10216.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	04/12/2014 1645			Final Weight/Volume:	20 mL
Prep Date:	04/12/2014 1645				

Analyte	Result (ug/L)	Qualifier	MDL	RL
N-Propylbenzene	0.150	U	0.150	1.00
2-Chlorotoluene	0.130	U	0.130	1.00
4-Chlorotoluene	0.140	U	0.140	1.00
1,3,5-Trimethylbenzene	0.100	U	0.100	1.00
tert-Butylbenzene	0.0800	U	0.0800	1.00
p-Isopropyltoluene	0.100	U	0.100	1.00
1,2,4-Trimethylbenzene	0.140	U	0.140	1.00
sec-Butylbenzene	0.120	U	0.120	1.00
1,3-Dichlorobenzene	0.130	U	0.130	1.00
1,4-Dichlorobenzene	0.110	U	0.110	1.00
1,2-Dichlorobenzene	0.100	U	0.100	1.00
n-Butylbenzene	0.160	U	0.160	1.00
1,2-Dibromo-3-Chloropropane	0.810	U	0.810	1.00
1,2,4-Trichlorobenzene	0.310	U	0.310	1.00
Hexachlorobutadiene	0.170	U	0.170	1.00
Naphthalene	0.320	U	0.320	2.00
1,2,3-Trichlorobenzene	0.570	U	0.570	1.00

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	106		67 - 139
Dibromofluoromethane	87		62 - 130
Toluene-d8 (Surr)	94		70 - 130
1,2-Dichloroethane-d4 (Surr)	89		50 - 134

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-90241-1

Client Sample ID: ARTESIA-MW26-04082014

Lab Sample ID: 600-90241-8

Date Sampled: 04/08/2014 1505

Client Matrix: Water

Date Received: 04/10/2014 1041

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-131912	Instrument ID:	VOAMS01
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	C10217.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	04/12/2014 1710			Final Weight/Volume:	20 mL
Prep Date:	04/12/2014 1710				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dichlorodifluoromethane	0.120	U	0.120	1.00
Chloromethane	0.180	U	0.180	2.00
Vinyl chloride	0.110	U	0.110	2.00
Bromomethane	0.250	U	0.250	2.00
Chloroethane	0.0800	U	0.0800	2.00
Trichlorofluoromethane	0.0800	U	0.0800	1.00
1,1-Dichloroethene	1.10		0.190	1.00
trans-1,2-Dichloroethene	0.0900	U	0.0900	1.00
Methyl tert-butyl ether	0.120	U	0.120	1.00
Methylene Chloride	0.150	U	0.150	5.00
cis-1,2-Dichloroethene	0.0600	U	0.0600	1.00
2-Butanone (MEK)	0.760	U	0.760	2.00
Bromochloromethane	0.180	U	0.180	1.00
Carbon tetrachloride	0.150	U	0.150	1.00
Benzene	0.0800	U	0.0800	1.00
1,2-Dichloroethane	0.147	J	0.140	1.00
Trichloroethene	0.369	J	0.180	1.00
1,1,1-Trichloroethane	0.150	U	0.150	1.00
1,1-Dichloroethane	0.219	J	0.110	1.00
1,2-Dichloropropane	0.160	U	0.160	1.00
2,2-Dichloropropane	0.130	U	0.130	1.00
Dibromomethane	0.520	U	0.520	1.00
Chloroform	0.130	U	0.130	1.00
Bromodichloromethane	0.160	U	0.160	1.00
2-Chloroethyl vinyl ether	0.500	U	0.500	2.00
1,1-Dichloropropene	0.210	U	0.210	1.00
cis-1,3-Dichloropropene	0.180	U	0.180	1.00
Toluene	0.150	U	0.150	1.00
trans-1,3-Dichloropropene	0.210	U	0.210	1.00
1,1,2-Trichloroethane	0.280	U	0.280	1.00
Tetrachloroethene	0.959	J	0.130	1.00
1,3-Dichloropropane	0.220	U	0.220	1.00
Chlorodibromomethane	0.150	U	0.150	1.00
1,2-Dibromoethane	0.180	U	0.180	1.00
Chlorobenzene	0.120	U	0.120	1.00
1,1,1,2-Tetrachloroethane	0.180	U	0.180	1.00
Ethylbenzene	0.110	U	0.110	1.00
m-Xylene & p-Xylene	0.170	U	0.170	1.00
Xylenes, Total	0.260	U	0.260	1.00
o-Xylene	0.120	U	0.120	1.00
Styrene	0.0700	U	0.0700	1.00
Bromoform	0.190	U	0.190	1.00
Isopropylbenzene	0.180	U	0.180	1.00
Bromobenzene	0.190	U	0.190	1.00
1,2,3-Trichloropropane	0.290	U	0.290	1.00
1,1,2,2-Tetrachloroethane	0.220	U	0.220	1.00

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-90241-1

Client Sample ID: ARTESIA-MW26-04082014

Lab Sample ID: 600-90241-8

Date Sampled: 04/08/2014 1505

Client Matrix: Water

Date Received: 04/10/2014 1041

8260B Volatile Organic Compounds (GC/MS)

Analysis Method: 8260B	Analysis Batch: 600-131912	Instrument ID: VOAMS01
Prep Method: 5030B	Prep Batch: N/A	Lab File ID: C10217.D
Dilution: 1.0		Initial Weight/Volume: 20 mL
Analysis Date: 04/12/2014 1710		Final Weight/Volume: 20 mL
Prep Date: 04/12/2014 1710		

Analyte	Result (ug/L)	Qualifier	MDL	RL
N-Propylbenzene	0.150	U	0.150	1.00
2-Chlorotoluene	0.130	U	0.130	1.00
4-Chlorotoluene	0.140	U	0.140	1.00
1,3,5-Trimethylbenzene	0.100	U	0.100	1.00
tert-Butylbenzene	0.0800	U	0.0800	1.00
p-Isopropyltoluene	0.100	U	0.100	1.00
1,2,4-Trimethylbenzene	0.140	U	0.140	1.00
sec-Butylbenzene	0.120	U	0.120	1.00
1,3-Dichlorobenzene	0.130	U	0.130	1.00
1,4-Dichlorobenzene	0.110	U	0.110	1.00
1,2-Dichlorobenzene	0.100	U	0.100	1.00
n-Butylbenzene	0.160	U	0.160	1.00
1,2-Dibromo-3-Chloropropane	0.810	U	0.810	1.00
1,2,4-Trichlorobenzene	0.310	U	0.310	1.00
Hexachlorobutadiene	0.170	U	0.170	1.00
Naphthalene	0.320	U	0.320	2.00
1,2,3-Trichlorobenzene	0.570	U	0.570	1.00

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	107		67 - 139
Dibromofluoromethane	89		62 - 130
Toluene-d8 (Surr)	100		70 - 130
1,2-Dichloroethane-d4 (Surr)	91		50 - 134

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-90241-1

Client Sample ID: ARTESIA-DUP01-04082014

Lab Sample ID: 600-90241-9

Date Sampled: 04/08/2014 1700

Client Matrix: Water

Date Received: 04/10/2014 1041

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-131912	Instrument ID:	VOAMS01
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	C10218.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	04/12/2014 1736			Final Weight/Volume:	20 mL
Prep Date:	04/12/2014 1736				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dichlorodifluoromethane	0.120	U	0.120	1.00
Chloromethane	0.180	U	0.180	2.00
Vinyl chloride	0.110	U	0.110	2.00
Bromomethane	0.250	U	0.250	2.00
Chloroethane	0.0800	U	0.0800	2.00
Trichlorofluoromethane	0.0800	U	0.0800	1.00
1,1-Dichloroethene	1.18		0.190	1.00
trans-1,2-Dichloroethene	0.0900	U	0.0900	1.00
Methyl tert-butyl ether	0.120	U	0.120	1.00
Methylene Chloride	0.150	U	0.150	5.00
cis-1,2-Dichloroethene	0.0600	U	0.0600	1.00
2-Butanone (MEK)	0.760	U	0.760	2.00
Bromochloromethane	0.180	U	0.180	1.00
Carbon tetrachloride	0.150	U	0.150	1.00
Benzene	0.0800	U	0.0800	1.00
1,2-Dichloroethane	0.148	J	0.140	1.00
Trichloroethene	0.381	J	0.180	1.00
1,1,1-Trichloroethane	0.150	U	0.150	1.00
1,1-Dichloroethane	0.219	J	0.110	1.00
1,2-Dichloropropane	0.160	U	0.160	1.00
2,2-Dichloropropane	0.130	U	0.130	1.00
Dibromomethane	0.520	U	0.520	1.00
Chloroform	0.130	U	0.130	1.00
Bromodichloromethane	0.160	U	0.160	1.00
2-Chloroethyl vinyl ether	0.500	U	0.500	2.00
1,1-Dichloropropene	0.210	U	0.210	1.00
cis-1,3-Dichloropropene	0.180	U	0.180	1.00
Toluene	0.150	U	0.150	1.00
trans-1,3-Dichloropropene	0.210	U	0.210	1.00
1,1,2-Trichloroethane	0.280	U	0.280	1.00
Tetrachloroethene	0.937	J	0.130	1.00
1,3-Dichloropropane	0.220	U	0.220	1.00
Chlorodibromomethane	0.150	U	0.150	1.00
1,2-Dibromoethane	0.180	U	0.180	1.00
Chlorobenzene	0.120	U	0.120	1.00
1,1,1,2-Tetrachloroethane	0.180	U	0.180	1.00
Ethylbenzene	0.110	U	0.110	1.00
m-Xylene & p-Xylene	0.170	U	0.170	1.00
Xylenes, Total	0.260	U	0.260	1.00
o-Xylene	0.120	U	0.120	1.00
Styrene	0.0700	U	0.0700	1.00
Bromoform	0.190	U	0.190	1.00
Isopropylbenzene	0.180	U	0.180	1.00
Bromobenzene	0.190	U	0.190	1.00
1,2,3-Trichloropropane	0.290	U	0.290	1.00
1,1,2,2-Tetrachloroethane	0.220	U	0.220	1.00

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-90241-1

Client Sample ID: ARTESIA-DUP01-04082014

Lab Sample ID: 600-90241-9

Date Sampled: 04/08/2014 1700

Client Matrix: Water

Date Received: 04/10/2014 1041

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-131912	Instrument ID:	VOAMS01
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	C10218.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	04/12/2014 1736			Final Weight/Volume:	20 mL
Prep Date:	04/12/2014 1736				

Analyte	Result (ug/L)	Qualifier	MDL	RL
N-Propylbenzene	0.150	U	0.150	1.00
2-Chlorotoluene	0.130	U	0.130	1.00
4-Chlorotoluene	0.140	U	0.140	1.00
1,3,5-Trimethylbenzene	0.100	U	0.100	1.00
tert-Butylbenzene	0.0800	U	0.0800	1.00
p-Isopropyltoluene	0.100	U	0.100	1.00
1,2,4-Trimethylbenzene	0.140	U	0.140	1.00
sec-Butylbenzene	0.120	U	0.120	1.00
1,3-Dichlorobenzene	0.130	U	0.130	1.00
1,4-Dichlorobenzene	0.110	U	0.110	1.00
1,2-Dichlorobenzene	0.100	U	0.100	1.00
n-Butylbenzene	0.160	U	0.160	1.00
1,2-Dibromo-3-Chloropropane	0.810	U	0.810	1.00
1,2,4-Trichlorobenzene	0.310	U	0.310	1.00
Hexachlorobutadiene	0.170	U	0.170	1.00
Naphthalene	0.320	U	0.320	2.00
1,2,3-Trichlorobenzene	0.570	U	0.570	1.00
Surrogate	%Rec	Qualifier	Acceptance Limits	
4-Bromofluorobenzene	100		67 - 139	
Dibromofluoromethane	88		62 - 130	
Toluene-d8 (Surr)	97		70 - 130	
1,2-Dichloroethane-d4 (Surr)	89		50 - 134	

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-90241-1

Client Sample ID: ARTESIA-MW28-04082014

Lab Sample ID: 600-90241-10

Date Sampled: 04/08/2014 1545

Client Matrix: Water

Date Received: 04/10/2014 1041

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-131912	Instrument ID:	VOAMS01
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	C10219.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	04/12/2014 1801			Final Weight/Volume:	20 mL
Prep Date:	04/12/2014 1801				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dichlorodifluoromethane	0.120	U	0.120	1.00
Chloromethane	0.180	U	0.180	2.00
Vinyl chloride	0.110	U	0.110	2.00
Bromomethane	0.250	U	0.250	2.00
Chloroethane	0.0800	U	0.0800	2.00
Trichlorofluoromethane	0.0800	U	0.0800	1.00
1,1-Dichloroethene	24.1		0.190	1.00
trans-1,2-Dichloroethene	0.0900	U	0.0900	1.00
Methyl tert-butyl ether	0.678	J	0.120	1.00
Methylene Chloride	0.150	U	0.150	5.00
cis-1,2-Dichloroethene	0.441	J	0.0600	1.00
2-Butanone (MEK)	0.760	U	0.760	2.00
Bromochloromethane	0.180	U	0.180	1.00
Carbon tetrachloride	0.150	U	0.150	1.00
Benzene	0.0800	U	0.0800	1.00
1,2-Dichloroethane	0.322	J	0.140	1.00
Trichloroethene	7.21		0.180	1.00
1,1,1-Trichloroethane	0.150	U	0.150	1.00
1,1-Dichloroethane	8.15		0.110	1.00
1,2-Dichloropropane	0.160	U	0.160	1.00
2,2-Dichloropropane	0.130	U	0.130	1.00
Dibromomethane	0.520	U	0.520	1.00
Chloroform	0.130	U	0.130	1.00
Bromodichloromethane	0.160	U	0.160	1.00
2-Chloroethyl vinyl ether	0.500	U	0.500	2.00
1,1-Dichloropropene	0.210	U	0.210	1.00
cis-1,3-Dichloropropene	0.180	U	0.180	1.00
Toluene	0.150	U	0.150	1.00
trans-1,3-Dichloropropene	0.210	U	0.210	1.00
1,1,2-Trichloroethane	0.280	U	0.280	1.00
Tetrachloroethene	26.3		0.130	1.00
1,3-Dichloropropane	0.220	U	0.220	1.00
Chlorodibromomethane	0.150	U	0.150	1.00
1,2-Dibromoethane	0.180	U	0.180	1.00
Chlorobenzene	0.120	U	0.120	1.00
1,1,1,2-Tetrachloroethane	0.180	U	0.180	1.00
Ethylbenzene	0.110	U	0.110	1.00
m-Xylene & p-Xylene	0.170	U	0.170	1.00
Xylenes, Total	0.260	U	0.260	1.00
o-Xylene	0.120	U	0.120	1.00
Styrene	0.0700	U	0.0700	1.00
Bromoform	0.190	U	0.190	1.00
Isopropylbenzene	0.180	U	0.180	1.00
Bromobenzene	0.190	U	0.190	1.00
1,2,3-Trichloropropane	0.290	U	0.290	1.00
1,1,2,2-Tetrachloroethane	0.220	U	0.220	1.00

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-90241-1

Client Sample ID: ARTESIA-MW28-04082014

Lab Sample ID: 600-90241-10

Date Sampled: 04/08/2014 1545

Client Matrix: Water

Date Received: 04/10/2014 1041

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-131912	Instrument ID:	VOAMS01
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	C10219.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	04/12/2014 1801			Final Weight/Volume:	20 mL
Prep Date:	04/12/2014 1801				

Analyte	Result (ug/L)	Qualifier	MDL	RL
N-Propylbenzene	0.150	U	0.150	1.00
2-Chlorotoluene	0.130	U	0.130	1.00
4-Chlorotoluene	0.140	U	0.140	1.00
1,3,5-Trimethylbenzene	0.100	U	0.100	1.00
tert-Butylbenzene	0.0800	U	0.0800	1.00
p-Isopropyltoluene	0.100	U	0.100	1.00
1,2,4-Trimethylbenzene	0.140	U	0.140	1.00
sec-Butylbenzene	0.120	U	0.120	1.00
1,3-Dichlorobenzene	0.130	U	0.130	1.00
1,4-Dichlorobenzene	0.110	U	0.110	1.00
1,2-Dichlorobenzene	0.100	U	0.100	1.00
n-Butylbenzene	0.160	U	0.160	1.00
1,2-Dibromo-3-Chloropropane	0.810	U	0.810	1.00
1,2,4-Trichlorobenzene	0.310	U	0.310	1.00
Hexachlorobutadiene	0.170	U	0.170	1.00
Naphthalene	0.320	U	0.320	2.00
1,2,3-Trichlorobenzene	0.570	U	0.570	1.00

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	105		67 - 139
Dibromofluoromethane	89		62 - 130
Toluene-d8 (Surr)	93		70 - 130
1,2-Dichloroethane-d4 (Surr)	91		50 - 134

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-90241-1

Client Sample ID: ARTESIA-MW30-04082014

Lab Sample ID: 600-90241-11

Date Sampled: 04/08/2014 1640

Client Matrix: Water

Date Received: 04/10/2014 1041

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-131912	Instrument ID:	VOAMS01
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	C10220.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	04/12/2014 1826			Final Weight/Volume:	20 mL
Prep Date:	04/12/2014 1826				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dichlorodifluoromethane	0.120	U	0.120	1.00
Chloromethane	0.180	U	0.180	2.00
Vinyl chloride	0.110	U	0.110	2.00
Bromomethane	0.250	U	0.250	2.00
Chloroethane	0.0800	U	0.0800	2.00
Trichlorofluoromethane	0.0800	U	0.0800	1.00
1,1-Dichloroethene	32.2		0.190	1.00
trans-1,2-Dichloroethene	0.0900	U	0.0900	1.00
Methyl tert-butyl ether	0.120	U	0.120	1.00
Methylene Chloride	0.150	U	0.150	5.00
cis-1,2-Dichloroethene	0.205	J	0.0600	1.00
2-Butanone (MEK)	0.760	U	0.760	2.00
Bromochloromethane	0.180	U	0.180	1.00
Carbon tetrachloride	0.150	U	0.150	1.00
Benzene	0.0842	J	0.0800	1.00
1,2-Dichloroethane	0.366	J	0.140	1.00
Trichloroethene	8.22		0.180	1.00
1,1,1-Trichloroethane	0.150	U	0.150	1.00
1,1-Dichloroethane	9.30		0.110	1.00
1,2-Dichloropropane	0.160	U	0.160	1.00
2,2-Dichloropropane	0.130	U	0.130	1.00
Dibromomethane	0.520	U	0.520	1.00
Chloroform	0.142	J	0.130	1.00
Bromodichloromethane	0.160	U	0.160	1.00
2-Chloroethyl vinyl ether	0.500	U	0.500	2.00
1,1-Dichloropropene	0.210	U	0.210	1.00
cis-1,3-Dichloropropene	0.180	U	0.180	1.00
Toluene	0.150	U	0.150	1.00
trans-1,3-Dichloropropene	0.210	U	0.210	1.00
1,1,2-Trichloroethane	0.280	U	0.280	1.00
Tetrachloroethene	41.3		0.130	1.00
1,3-Dichloropropane	0.220	U	0.220	1.00
Chlorodibromomethane	0.150	U	0.150	1.00
1,2-Dibromoethane	0.180	U	0.180	1.00
Chlorobenzene	0.120	U	0.120	1.00
1,1,1,2-Tetrachloroethane	0.180	U	0.180	1.00
Ethylbenzene	0.110	U	0.110	1.00
m-Xylene & p-Xylene	0.170	U	0.170	1.00
Xylenes, Total	0.260	U	0.260	1.00
o-Xylene	0.120	U	0.120	1.00
Styrene	0.0700	U	0.0700	1.00
Bromoform	0.190	U	0.190	1.00
Isopropylbenzene	0.180	U	0.180	1.00
Bromobenzene	0.190	U	0.190	1.00
1,2,3-Trichloropropane	0.290	U	0.290	1.00
1,1,2,2-Tetrachloroethane	0.220	U	0.220	1.00

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-90241-1

Client Sample ID: ARTESIA-MW30-04082014

Lab Sample ID: 600-90241-11

Date Sampled: 04/08/2014 1640

Client Matrix: Water

Date Received: 04/10/2014 1041

8260B Volatile Organic Compounds (GC/MS)

Analysis Method: 8260B	Analysis Batch: 600-131912	Instrument ID: VOAMS01
Prep Method: 5030B	Prep Batch: N/A	Lab File ID: C10220.D
Dilution: 1.0		Initial Weight/Volume: 20 mL
Analysis Date: 04/12/2014 1826		Final Weight/Volume: 20 mL
Prep Date: 04/12/2014 1826		

Analyte	Result (ug/L)	Qualifier	MDL	RL
N-Propylbenzene	0.150	U	0.150	1.00
2-Chlorotoluene	0.130	U	0.130	1.00
4-Chlorotoluene	0.140	U	0.140	1.00
1,3,5-Trimethylbenzene	0.100	U	0.100	1.00
tert-Butylbenzene	0.0800	U	0.0800	1.00
p-Isopropyltoluene	0.100	U	0.100	1.00
1,2,4-Trimethylbenzene	0.140	U	0.140	1.00
sec-Butylbenzene	0.120	U	0.120	1.00
1,3-Dichlorobenzene	0.130	U	0.130	1.00
1,4-Dichlorobenzene	0.110	U	0.110	1.00
1,2-Dichlorobenzene	0.100	U	0.100	1.00
n-Butylbenzene	0.160	U	0.160	1.00
1,2-Dibromo-3-Chloropropane	0.810	U	0.810	1.00
1,2,4-Trichlorobenzene	0.310	U	0.310	1.00
Hexachlorobutadiene	0.170	U	0.170	1.00
Naphthalene	0.320	U	0.320	2.00
1,2,3-Trichlorobenzene	0.570	U	0.570	1.00

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	105		67 - 139
Dibromofluoromethane	90		62 - 130
Toluene-d8 (Surr)	94		70 - 130
1,2-Dichloroethane-d4 (Surr)	94		50 - 134

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-90241-1

Client Sample ID: ARTESIA-MW30-04082014 MS

Lab Sample ID: 600-90241-12

Date Sampled: 04/08/2014 1640

Client Matrix: Water

Date Received: 04/10/2014 1041

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-131912	Instrument ID:	VOAMS01
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	C10221.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	04/12/2014 1852			Final Weight/Volume:	20 mL
Prep Date:	04/12/2014 1852				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dichlorodifluoromethane	0.120	U	0.120	1.00
Chloromethane	0.180	U	0.180	2.00
Vinyl chloride	0.110	U	0.110	2.00
Bromomethane	0.250	U	0.250	2.00
Chloroethane	0.0800	U	0.0800	2.00
Trichlorofluoromethane	0.0800	U	0.0800	1.00
1,1-Dichloroethene	33.1		0.190	1.00
trans-1,2-Dichloroethene	0.0900	U	0.0900	1.00
Methyl tert-butyl ether	0.120	U	0.120	1.00
Methylene Chloride	0.150	U	0.150	5.00
cis-1,2-Dichloroethene	0.211	J	0.0600	1.00
2-Butanone (MEK)	0.760	U	0.760	2.00
Bromochloromethane	0.180	U	0.180	1.00
Carbon tetrachloride	0.150	U	0.150	1.00
Benzene	0.0800	U	0.0800	1.00
1,2-Dichloroethane	0.367	J	0.140	1.00
Trichloroethene	8.62		0.180	1.00
1,1,1-Trichloroethane	0.150	U	0.150	1.00
1,1-Dichloroethane	9.43		0.110	1.00
1,2-Dichloropropane	0.160	U	0.160	1.00
2,2-Dichloropropane	0.130	U	0.130	1.00
Dibromomethane	0.520	U	0.520	1.00
Chloroform	0.148	J	0.130	1.00
Bromodichloromethane	0.160	U	0.160	1.00
2-Chloroethyl vinyl ether	0.500	U	0.500	2.00
1,1-Dichloropropene	0.210	U	0.210	1.00
cis-1,3-Dichloropropene	0.180	U	0.180	1.00
Toluene	0.150	U	0.150	1.00
trans-1,3-Dichloropropene	0.210	U	0.210	1.00
1,1,2-Trichloroethane	0.280	U	0.280	1.00
Tetrachloroethene	43.4		0.130	1.00
1,3-Dichloropropane	0.220	U	0.220	1.00
Chlorodibromomethane	0.150	U	0.150	1.00
1,2-Dibromoethane	0.180	U	0.180	1.00
Chlorobenzene	0.120	U	0.120	1.00
1,1,1,2-Tetrachloroethane	0.180	U	0.180	1.00
Ethylbenzene	0.110	U	0.110	1.00
m-Xylene & p-Xylene	0.170	U	0.170	1.00
Xylenes, Total	0.260	U	0.260	1.00
o-Xylene	0.120	U	0.120	1.00
Styrene	0.0700	U	0.0700	1.00
Bromoform	0.190	U	0.190	1.00
Isopropylbenzene	0.180	U	0.180	1.00
Bromobenzene	0.190	U	0.190	1.00
1,2,3-Trichloropropane	0.290	U	0.290	1.00
1,1,2,2-Tetrachloroethane	0.220	U	0.220	1.00

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-90241-1

Client Sample ID: ARTESIA-MW30-04082014 MS

Lab Sample ID: 600-90241-12

Date Sampled: 04/08/2014 1640

Client Matrix: Water

Date Received: 04/10/2014 1041

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-131912	Instrument ID:	VOAMS01
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	C10221.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	04/12/2014 1852			Final Weight/Volume:	20 mL
Prep Date:	04/12/2014 1852				

Analyte	Result (ug/L)	Qualifier	MDL	RL
N-Propylbenzene	0.150	U	0.150	1.00
2-Chlorotoluene	0.130	U	0.130	1.00
4-Chlorotoluene	0.140	U	0.140	1.00
1,3,5-Trimethylbenzene	0.100	U	0.100	1.00
tert-Butylbenzene	0.0800	U	0.0800	1.00
p-Isopropyltoluene	0.100	U	0.100	1.00
1,2,4-Trimethylbenzene	0.140	U	0.140	1.00
sec-Butylbenzene	0.120	U	0.120	1.00
1,3-Dichlorobenzene	0.130	U	0.130	1.00
1,4-Dichlorobenzene	0.110	U	0.110	1.00
1,2-Dichlorobenzene	0.100	U	0.100	1.00
n-Butylbenzene	0.160	U	0.160	1.00
1,2-Dibromo-3-Chloropropane	0.810	U	0.810	1.00
1,2,4-Trichlorobenzene	0.310	U	0.310	1.00
Hexachlorobutadiene	0.170	U	0.170	1.00
Naphthalene	0.320	U	0.320	2.00
1,2,3-Trichlorobenzene	0.570	U	0.570	1.00
Surrogate	%Rec	Qualifier	Acceptance Limits	
4-Bromofluorobenzene	99		67 - 139	
Dibromofluoromethane	88		62 - 130	
Toluene-d8 (Surr)	90		70 - 130	
1,2-Dichloroethane-d4 (Surr)	89		50 - 134	

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-90241-1

Client Sample ID: ARTESIA-MW30-04082014 MSD

Lab Sample ID: 600-90241-13

Date Sampled: 04/08/2014 1640

Client Matrix: Water

Date Received: 04/10/2014 1041

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-131912	Instrument ID:	VOAMS01
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	C10209.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	04/12/2014 1343			Final Weight/Volume:	20 mL
Prep Date:	04/12/2014 1343				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dichlorodifluoromethane	0.120	U	0.120	1.00
Chloromethane	0.180	U	0.180	2.00
Vinyl chloride	0.110	U	0.110	2.00
Bromomethane	0.250	U	0.250	2.00
Chloroethane	0.0800	U	0.0800	2.00
Trichlorofluoromethane	0.0800	U	0.0800	1.00
1,1-Dichloroethene	0.190	U	0.190	1.00
trans-1,2-Dichloroethene	0.0900	U	0.0900	1.00
Methyl tert-butyl ether	0.120	U	0.120	1.00
Methylene Chloride	0.150	U	0.150	5.00
cis-1,2-Dichloroethene	0.197	J	0.0600	1.00
2-Butanone (MEK)	0.760	U	0.760	2.00
Bromochloromethane	0.180	U	0.180	1.00
Carbon tetrachloride	0.150	U	0.150	1.00
Benzene	0.0855	J	0.0800	1.00
1,2-Dichloroethane	0.354	J	0.140	1.00
Trichloroethene	7.70		0.180	1.00
1,1,1-Trichloroethane	0.150	U	0.150	1.00
1,1-Dichloroethane	8.56		0.110	1.00
1,2-Dichloropropane	0.160	U	0.160	1.00
2,2-Dichloropropane	0.130	U	0.130	1.00
Dibromomethane	0.520	U	0.520	1.00
Chloroform	0.131	J	0.130	1.00
Bromodichloromethane	0.160	U	0.160	1.00
2-Chloroethyl vinyl ether	0.500	U	0.500	2.00
1,1-Dichloropropene	0.210	U	0.210	1.00
cis-1,3-Dichloropropene	0.180	U	0.180	1.00
Toluene	0.150	U	0.150	1.00
trans-1,3-Dichloropropene	0.210	U	0.210	1.00
1,1,2-Trichloroethane	0.280	U	0.280	1.00
Tetrachloroethene	38.6		0.130	1.00
1,3-Dichloropropane	0.220	U	0.220	1.00
Chlorodibromomethane	0.150	U	0.150	1.00
1,2-Dibromoethane	0.180	U	0.180	1.00
Chlorobenzene	0.120	U	0.120	1.00
1,1,1,2-Tetrachloroethane	0.180	U	0.180	1.00
Ethylbenzene	0.110	U	0.110	1.00
m-Xylene & p-Xylene	0.170	U	0.170	1.00
Xylenes, Total	0.260	U	0.260	1.00
o-Xylene	0.120	U	0.120	1.00
Styrene	0.0700	U	0.0700	1.00
Bromoform	0.190	U	0.190	1.00
Isopropylbenzene	0.180	U	0.180	1.00
Bromobenzene	0.190	U	0.190	1.00
1,2,3-Trichloropropane	0.290	U	0.290	1.00
1,1,2,2-Tetrachloroethane	0.220	U	0.220	1.00

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-90241-1

Client Sample ID: ARTESIA-MW30-04082014 MSD

Lab Sample ID: 600-90241-13

Date Sampled: 04/08/2014 1640

Client Matrix: Water

Date Received: 04/10/2014 1041

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-131912	Instrument ID:	VOAMS01
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	C10209.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	04/12/2014 1343			Final Weight/Volume:	20 mL
Prep Date:	04/12/2014 1343				

Analyte	Result (ug/L)	Qualifier	MDL	RL
N-Propylbenzene	0.150	U	0.150	1.00
2-Chlorotoluene	0.130	U	0.130	1.00
4-Chlorotoluene	0.140	U	0.140	1.00
1,3,5-Trimethylbenzene	0.100	U	0.100	1.00
tert-Butylbenzene	0.0800	U	0.0800	1.00
p-Isopropyltoluene	0.100	U	0.100	1.00
1,2,4-Trimethylbenzene	0.140	U	0.140	1.00
sec-Butylbenzene	0.120	U	0.120	1.00
1,3-Dichlorobenzene	0.130	U	0.130	1.00
1,4-Dichlorobenzene	0.110	U	0.110	1.00
1,2-Dichlorobenzene	0.100	U	0.100	1.00
n-Butylbenzene	0.160	U	0.160	1.00
1,2-Dibromo-3-Chloropropane	0.810	U	0.810	1.00
1,2,4-Trichlorobenzene	0.310	U	0.310	1.00
Hexachlorobutadiene	0.170	U	0.170	1.00
Naphthalene	0.320	U	0.320	2.00
1,2,3-Trichlorobenzene	0.570	U	0.570	1.00

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	108		67 - 139
Dibromofluoromethane	81		62 - 130
Toluene-d8 (Surr)	94		70 - 130
1,2-Dichloroethane-d4 (Surr)	82		50 - 134

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-90241-1

Client Sample ID: ARTESIA-MW32-04082014

Lab Sample ID: 600-90241-14

Date Sampled: 04/08/2014 1725

Client Matrix: Water

Date Received: 04/10/2014 1041

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-131912	Instrument ID:	VOAMS01
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	C10210.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	04/12/2014 1408			Final Weight/Volume:	20 mL
Prep Date:	04/12/2014 1408				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dichlorodifluoromethane	0.120	U	0.120	1.00
Chloromethane	0.180	U	0.180	2.00
Vinyl chloride	0.110	U	0.110	2.00
Bromomethane	0.250	U	0.250	2.00
Chloroethane	0.0800	U	0.0800	2.00
Trichlorofluoromethane	0.0800	U	0.0800	1.00
1,1-Dichloroethene	3.55		0.190	1.00
trans-1,2-Dichloroethene	0.0900	U	0.0900	1.00
Methyl tert-butyl ether	0.120	U	0.120	1.00
Methylene Chloride	0.150	U	0.150	5.00
cis-1,2-Dichloroethene	0.0600	U	0.0600	1.00
2-Butanone (MEK)	0.760	U	0.760	2.00
Bromochloromethane	0.180	U	0.180	1.00
Carbon tetrachloride	0.150	U	0.150	1.00
Benzene	0.0800	U	0.0800	1.00
1,2-Dichloroethane	0.140	U	0.140	1.00
Trichloroethene	0.963	J	0.180	1.00
1,1,1-Trichloroethane	0.150	U	0.150	1.00
1,1-Dichloroethane	0.890	J	0.110	1.00
1,2-Dichloropropane	0.160	U	0.160	1.00
2,2-Dichloropropane	0.130	U	0.130	1.00
Dibromomethane	0.520	U	0.520	1.00
Chloroform	0.130	U	0.130	1.00
Bromodichloromethane	0.160	U	0.160	1.00
2-Chloroethyl vinyl ether	0.500	U	0.500	2.00
1,1-Dichloropropene	0.210	U	0.210	1.00
cis-1,3-Dichloropropene	0.180	U	0.180	1.00
Toluene	0.150	U	0.150	1.00
trans-1,3-Dichloropropene	0.210	U	0.210	1.00
1,1,2-Trichloroethane	0.280	U	0.280	1.00
Tetrachloroethene	5.38		0.130	1.00
1,3-Dichloropropane	0.220	U	0.220	1.00
Chlorodibromomethane	0.150	U	0.150	1.00
1,2-Dibromoethane	0.180	U	0.180	1.00
Chlorobenzene	0.120	U	0.120	1.00
1,1,1,2-Tetrachloroethane	0.180	U	0.180	1.00
Ethylbenzene	0.110	U	0.110	1.00
m-Xylene & p-Xylene	0.170	U	0.170	1.00
Xylenes, Total	0.260	U	0.260	1.00
o-Xylene	0.120	U	0.120	1.00
Styrene	0.0700	U	0.0700	1.00
Bromoform	0.190	U	0.190	1.00
Isopropylbenzene	0.180	U	0.180	1.00
Bromobenzene	0.190	U	0.190	1.00
1,2,3-Trichloropropane	0.290	U	0.290	1.00
1,1,2,2-Tetrachloroethane	0.220	U	0.220	1.00

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-90241-1

Client Sample ID: ARTESIA-MW32-04082014

Lab Sample ID: 600-90241-14

Date Sampled: 04/08/2014 1725

Client Matrix: Water

Date Received: 04/10/2014 1041

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-131912	Instrument ID:	VOAMS01
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	C10210.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	04/12/2014 1408			Final Weight/Volume:	20 mL
Prep Date:	04/12/2014 1408				

Analyte	Result (ug/L)	Qualifier	MDL	RL
N-Propylbenzene	0.150	U	0.150	1.00
2-Chlorotoluene	0.130	U	0.130	1.00
4-Chlorotoluene	0.140	U	0.140	1.00
1,3,5-Trimethylbenzene	0.100	U	0.100	1.00
tert-Butylbenzene	0.0800	U	0.0800	1.00
p-Isopropyltoluene	0.100	U	0.100	1.00
1,2,4-Trimethylbenzene	0.140	U	0.140	1.00
sec-Butylbenzene	0.120	U	0.120	1.00
1,3-Dichlorobenzene	0.130	U	0.130	1.00
1,4-Dichlorobenzene	0.110	U	0.110	1.00
1,2-Dichlorobenzene	0.100	U	0.100	1.00
n-Butylbenzene	0.160	U	0.160	1.00
1,2-Dibromo-3-Chloropropane	0.810	U	0.810	1.00
1,2,4-Trichlorobenzene	0.310	U	0.310	1.00
Hexachlorobutadiene	0.170	U	0.170	1.00
Naphthalene	0.320	U	0.320	2.00
1,2,3-Trichlorobenzene	0.570	U	0.570	1.00

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	107		67 - 139
Dibromofluoromethane	82		62 - 130
Toluene-d8 (Surr)	100		70 - 130
1,2-Dichloroethane-d4 (Surr)	82		50 - 134

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-90241-1

Client Sample ID: ARTESIA-EB01-04082014

Lab Sample ID: 600-90241-15

Date Sampled: 04/08/2014 1705

Client Matrix: Water

Date Received: 04/10/2014 1041

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-131912	Instrument ID:	VOAMS01
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	C10211.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	04/12/2014 1434			Final Weight/Volume:	20 mL
Prep Date:	04/12/2014 1434				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dichlorodifluoromethane	0.120	U	0.120	1.00
Chloromethane	0.180	U	0.180	2.00
Vinyl chloride	0.110	U	0.110	2.00
Bromomethane	0.250	U	0.250	2.00
Chloroethane	0.0800	U	0.0800	2.00
Trichlorofluoromethane	0.0800	U	0.0800	1.00
1,1-Dichloroethene	0.190	U	0.190	1.00
trans-1,2-Dichloroethene	0.0900	U	0.0900	1.00
Methyl tert-butyl ether	0.120	U	0.120	1.00
Methylene Chloride	0.333	J	0.150	5.00
cis-1,2-Dichloroethene	0.0600	U	0.0600	1.00
2-Butanone (MEK)	0.760	U	0.760	2.00
Bromochloromethane	0.180	U	0.180	1.00
Carbon tetrachloride	0.150	U	0.150	1.00
Benzene	0.0800	U	0.0800	1.00
1,2-Dichloroethane	0.165	J	0.140	1.00
Trichloroethene	0.180	U	0.180	1.00
1,1,1-Trichloroethane	0.150	U	0.150	1.00
1,1-Dichloroethane	0.110	U	0.110	1.00
1,2-Dichloropropane	0.160	U	0.160	1.00
2,2-Dichloropropane	0.130	U	0.130	1.00
Dibromomethane	0.520	U	0.520	1.00
Chloroform	0.130	U	0.130	1.00
Bromodichloromethane	0.160	U	0.160	1.00
2-Chloroethyl vinyl ether	0.500	U	0.500	2.00
1,1-Dichloropropene	0.210	U	0.210	1.00
cis-1,3-Dichloropropene	0.180	U	0.180	1.00
Toluene	0.150	U	0.150	1.00
trans-1,3-Dichloropropene	0.210	U	0.210	1.00
1,1,2-Trichloroethane	0.280	U	0.280	1.00
Tetrachloroethene	0.130	U	0.130	1.00
1,3-Dichloropropane	0.220	U	0.220	1.00
Chlorodibromomethane	0.150	U	0.150	1.00
1,2-Dibromoethane	0.180	U	0.180	1.00
Chlorobenzene	0.120	U	0.120	1.00
1,1,1,2-Tetrachloroethane	0.180	U	0.180	1.00
Ethylbenzene	0.110	U	0.110	1.00
m-Xylene & p-Xylene	0.170	U	0.170	1.00
Xylenes, Total	0.260	U	0.260	1.00
o-Xylene	0.120	U	0.120	1.00
Styrene	0.0700	U	0.0700	1.00
Bromoform	0.190	U	0.190	1.00
Isopropylbenzene	0.180	U	0.180	1.00
Bromobenzene	0.190	U	0.190	1.00
1,2,3-Trichloropropane	0.290	U	0.290	1.00
1,1,2,2-Tetrachloroethane	0.220	U	0.220	1.00

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-90241-1

Client Sample ID: ARTESIA-EB01-04082014

Lab Sample ID: 600-90241-15

Date Sampled: 04/08/2014 1705

Client Matrix: Water

Date Received: 04/10/2014 1041

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-131912	Instrument ID:	VOAMS01
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	C10211.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	04/12/2014 1434			Final Weight/Volume:	20 mL
Prep Date:	04/12/2014 1434				

Analyte	Result (ug/L)	Qualifier	MDL	RL
N-Propylbenzene	0.150	U	0.150	1.00
2-Chlorotoluene	0.130	U	0.130	1.00
4-Chlorotoluene	0.140	U	0.140	1.00
1,3,5-Trimethylbenzene	0.100	U	0.100	1.00
tert-Butylbenzene	0.0800	U	0.0800	1.00
p-Isopropyltoluene	0.100	U	0.100	1.00
1,2,4-Trimethylbenzene	0.140	U	0.140	1.00
sec-Butylbenzene	0.120	U	0.120	1.00
1,3-Dichlorobenzene	0.130	U	0.130	1.00
1,4-Dichlorobenzene	0.110	U	0.110	1.00
1,2-Dichlorobenzene	0.100	U	0.100	1.00
n-Butylbenzene	0.160	U	0.160	1.00
1,2-Dibromo-3-Chloropropane	0.810	U	0.810	1.00
1,2,4-Trichlorobenzene	0.310	U	0.310	1.00
Hexachlorobutadiene	0.170	U	0.170	1.00
Naphthalene	0.320	U	0.320	2.00
1,2,3-Trichlorobenzene	0.570	U	0.570	1.00

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	105		67 - 139
Dibromofluoromethane	83		62 - 130
Toluene-d8 (Surr)	100		70 - 130
1,2-Dichloroethane-d4 (Surr)	84		50 - 134

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-90241-1

Client Sample ID: ARTESIA-MW33-04082014

Lab Sample ID: 600-90241-16

Date Sampled: 04/08/2014 1750

Client Matrix: Water

Date Received: 04/10/2014 1041

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-131912	Instrument ID:	VOAMS01
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	C10212.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	04/12/2014 1500			Final Weight/Volume:	20 mL
Prep Date:	04/12/2014 1500				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dichlorodifluoromethane	0.120	U	0.120	1.00
Chloromethane	0.180	U	0.180	2.00
Vinyl chloride	0.110	U	0.110	2.00
Bromomethane	0.250	U	0.250	2.00
Chloroethane	0.0800	U	0.0800	2.00
Trichlorofluoromethane	0.0800	U	0.0800	1.00
1,1-Dichloroethene	0.190	U	0.190	1.00
trans-1,2-Dichloroethene	0.0900	U	0.0900	1.00
Methyl tert-butyl ether	0.120	U	0.120	1.00
Methylene Chloride	0.150	U	0.150	5.00
cis-1,2-Dichloroethene	0.0600	U	0.0600	1.00
2-Butanone (MEK)	0.760	U	0.760	2.00
Bromochloromethane	0.180	U	0.180	1.00
Carbon tetrachloride	0.150	U	0.150	1.00
Benzene	0.0800	U	0.0800	1.00
1,2-Dichloroethane	0.140	U	0.140	1.00
Trichloroethene	0.180	U	0.180	1.00
1,1,1-Trichloroethane	0.150	U	0.150	1.00
1,1-Dichloroethane	0.110	U	0.110	1.00
1,2-Dichloropropane	0.160	U	0.160	1.00
2,2-Dichloropropane	0.130	U	0.130	1.00
Dibromomethane	0.520	U	0.520	1.00
Chloroform	0.130	U	0.130	1.00
Bromodichloromethane	0.160	U	0.160	1.00
2-Chloroethyl vinyl ether	0.500	U	0.500	2.00
1,1-Dichloropropene	0.210	U	0.210	1.00
cis-1,3-Dichloropropene	0.180	U	0.180	1.00
Toluene	0.150	U	0.150	1.00
trans-1,3-Dichloropropene	0.210	U	0.210	1.00
1,1,2-Trichloroethane	0.280	U	0.280	1.00
Tetrachloroethene	0.130	U	0.130	1.00
1,3-Dichloropropane	0.220	U	0.220	1.00
Chlorodibromomethane	0.150	U	0.150	1.00
1,2-Dibromoethane	0.180	U	0.180	1.00
Chlorobenzene	0.120	U	0.120	1.00
1,1,1,2-Tetrachloroethane	0.180	U	0.180	1.00
Ethylbenzene	0.110	U	0.110	1.00
m-Xylene & p-Xylene	0.170	U	0.170	1.00
Xylenes, Total	0.260	U	0.260	1.00
o-Xylene	0.120	U	0.120	1.00
Styrene	0.0700	U	0.0700	1.00
Bromoform	0.190	U	0.190	1.00
Isopropylbenzene	0.180	U	0.180	1.00
Bromobenzene	0.190	U	0.190	1.00
1,2,3-Trichloropropane	0.290	U	0.290	1.00
1,1,2,2-Tetrachloroethane	0.220	U	0.220	1.00

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-90241-1

Client Sample ID: ARTESIA-MW33-04082014

Lab Sample ID: 600-90241-16

Date Sampled: 04/08/2014 1750

Client Matrix: Water

Date Received: 04/10/2014 1041

8260B Volatile Organic Compounds (GC/MS)

Analysis Method: 8260B	Analysis Batch: 600-131912	Instrument ID: VOAMS01
Prep Method: 5030B	Prep Batch: N/A	Lab File ID: C10212.D
Dilution: 1.0		Initial Weight/Volume: 20 mL
Analysis Date: 04/12/2014 1500		Final Weight/Volume: 20 mL
Prep Date: 04/12/2014 1500		

Analyte	Result (ug/L)	Qualifier	MDL	RL
N-Propylbenzene	0.150	U	0.150	1.00
2-Chlorotoluene	0.130	U	0.130	1.00
4-Chlorotoluene	0.140	U	0.140	1.00
1,3,5-Trimethylbenzene	0.100	U	0.100	1.00
tert-Butylbenzene	0.0800	U	0.0800	1.00
p-Isopropyltoluene	0.100	U	0.100	1.00
1,2,4-Trimethylbenzene	0.140	U	0.140	1.00
sec-Butylbenzene	0.120	U	0.120	1.00
1,3-Dichlorobenzene	0.130	U	0.130	1.00
1,4-Dichlorobenzene	0.110	U	0.110	1.00
1,2-Dichlorobenzene	0.100	U	0.100	1.00
n-Butylbenzene	0.160	U	0.160	1.00
1,2-Dibromo-3-Chloropropane	0.810	U	0.810	1.00
1,2,4-Trichlorobenzene	0.310	U	0.310	1.00
Hexachlorobutadiene	0.170	U	0.170	1.00
Naphthalene	0.320	U	0.320	2.00
1,2,3-Trichlorobenzene	0.570	U	0.570	1.00

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	107		67 - 139
Dibromofluoromethane	86		62 - 130
Toluene-d8 (Surr)	102		70 - 130
1,2-Dichloroethane-d4 (Surr)	86		50 - 134

Client: CH2M Hill Constructors, Inc.

Job Number: 600-90241-1

Surrogate Recovery Report**8260B Volatile Organic Compounds (GC/MS)****Client Matrix: Water**

Lab Sample ID	Client Sample ID	DBFM %Rec	DCA %Rec	TOL %Rec	BFB %Rec
600-90241-1	ARTESIA-TB01-0408 2014	86	88	100	111
600-90241-2	ARTESIA-MW17C-04 082014	74	72	99	114
600-90241-3 DL	ARTESIA-MW12-040 82014 DL	93	94	110	114
600-90241-3	ARTESIA-MW12-040 82014	85	79	96	87
600-90241-4	ARTESIA-MW18-040 82014	78	77	99	109
600-90241-5	ARTESIA-MW21-040 82014	87	89	103	113
600-90241-6	ARTESIA-MW31-040 82014	82	84	94	104
600-90241-7	ARTESIA-MW25-040 82014	87	89	94	106
600-90241-8	ARTESIA-MW26-040 82014	89	91	100	107
600-90241-9	ARTESIA-DUP01-040 82014	88	89	97	100
600-90241-10	ARTESIA-MW28-040 82014	89	91	93	105
600-90241-11	ARTESIA-MW30-040 82014	90	94	94	105
600-90241-12	ARTESIA-MW30-040 82014 MS	88	89	90	99
600-90241-13	ARTESIA-MW30-040 82014 MSD	81	82	94	108
600-90241-14	ARTESIA-MW32-040 82014	82	82	100	107
600-90241-15	ARTESIA-EB01-0408 2014	83	84	100	105
600-90241-16	ARTESIA-MW33-040 82014	86	86	102	107
MB 600-131850/4		102	105	95	94
MB 600-131912/5		75	72	101	109

Surrogate	Acceptance Limits
DBFM = Dibromofluoromethane	62-130
DCA = 1,2-Dichloroethane-d4 (Surr)	50-134
TOL = Toluene-d8 (Surr)	70-130
BFB = 4-Bromofluorobenzene	67-139

Client: CH2M Hill Constructors, Inc.

Job Number: 600-90241-1

Surrogate Recovery Report**8260B Volatile Organic Compounds (GC/MS)****Client Matrix: Water**

Lab Sample ID	Client Sample ID	DBFM %Rec	DCA %Rec	TOL %Rec	BFB %Rec
MB 600-132620/4		83	75	91	85
LCS 600-131850/3		87	90	87	73
LCS 600-131912/3		71	71	96	89
LCS 600-132620/3		89	77	94	89
LCSD 600-131912/4		74	75	96	92
600-90229-F-19 MS		89	94	84	77
600-90491-F-1 MS		90	78	97	86
600-90229-F-19 MSD		86	90	83	77
600-90491-G-1 MSD		90	80	95	87

Surrogate	Acceptance Limits
DBFM = Dibromofluoromethane	62-130
DCA = 1,2-Dichloroethane-d4 (Surr)	50-134
TOL = Toluene-d8 (Surr)	70-130
BFB = 4-Bromofluorobenzene	67-139

Quality Control Results

Client: CH2M Hill Constructors, Inc.

Job Number: 600-90241-1

Method Blank - Batch: 600-131850

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 600-131850/4
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 04/11/2014 1121
 Prep Date: 04/11/2014 1121
 Leach Date: N/A

Analysis Batch: 600-131850
 Prep Batch: N/A
 Leach Batch: N/A
 Units: ug/L

Instrument ID: VOAMS01
 Lab File ID: C10105.D
 Initial Weight/Volume: 20 mL
 Final Weight/Volume: 20 mL

Analyte	Result	Qual	MDL	RL
Dichlorodifluoromethane	0.120	U	0.120	1.00
Chloromethane	0.180	U	0.180	2.00
Vinyl chloride	0.110	U	0.110	2.00
Bromomethane	0.250	U	0.250	2.00
Chloroethane	0.0800	U	0.0800	2.00
Trichlorofluoromethane	0.0800	U	0.0800	1.00
1,1-Dichloroethene	0.190	U	0.190	1.00
trans-1,2-Dichloroethene	0.0900	U	0.0900	1.00
Methyl tert-butyl ether	0.120	U	0.120	1.00
Methylene Chloride	0.150	U	0.150	5.00
cis-1,2-Dichloroethene	0.0600	U	0.0600	1.00
2-Butanone (MEK)	0.760	U	0.760	2.00
Bromochloromethane	0.180	U	0.180	1.00
Carbon tetrachloride	0.150	U	0.150	1.00
Benzene	0.0800	U	0.0800	1.00
1,2-Dichloroethane	0.2095	J	0.140	1.00
Trichloroethene	0.180	U	0.180	1.00
1,1,1-Trichloroethane	0.150	U	0.150	1.00
1,1-Dichloroethane	0.110	U	0.110	1.00
1,2-Dichloropropane	0.160	U	0.160	1.00
2,2-Dichloropropane	0.130	U	0.130	1.00
Dibromomethane	0.520	U	0.520	1.00
Chloroform	0.130	U	0.130	1.00
Bromodichloromethane	0.160	U	0.160	1.00
2-Chloroethyl vinyl ether	0.500	U	0.500	2.00
1,1-Dichloropropene	0.210	U	0.210	1.00
cis-1,3-Dichloropropene	0.180	U	0.180	1.00
Toluene	0.150	U	0.150	1.00
trans-1,3-Dichloropropene	0.210	U	0.210	1.00
1,1,2-Trichloroethane	0.280	U	0.280	1.00
Tetrachloroethene	0.130	U	0.130	1.00
1,3-Dichloropropane	0.220	U	0.220	1.00
Chlorodibromomethane	0.150	U	0.150	1.00
1,2-Dibromoethane	0.180	U	0.180	1.00
Chlorobenzene	0.120	U	0.120	1.00
1,1,1,2-Tetrachloroethane	0.180	U	0.180	1.00
Ethylbenzene	0.110	U	0.110	1.00
m-Xylene & p-Xylene	0.170	U	0.170	1.00
Xylenes, Total	0.260	U	0.260	1.00
o-Xylene	0.120	U	0.120	1.00
Styrene	0.0700	U	0.0700	1.00
Bromoform	0.190	U	0.190	1.00
Isopropylbenzene	0.180	U	0.180	1.00
Bromobenzene	0.190	U	0.190	1.00
1,2,3-Trichloropropane	0.290	U	0.290	1.00

Quality Control Results

Client: CH2M Hill Constructors, Inc.

Job Number: 600-90241-1

Method Blank - Batch: 600-131850

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 600-131850/4
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 04/11/2014 1121
 Prep Date: 04/11/2014 1121
 Leach Date: N/A

Analysis Batch: 600-131850
 Prep Batch: N/A
 Leach Batch: N/A
 Units: ug/L

Instrument ID: VOAMS01
 Lab File ID: C10105.D
 Initial Weight/Volume: 20 mL
 Final Weight/Volume: 20 mL

Analyte	Result	Qual	MDL	RL
1,1,2,2-Tetrachloroethane	0.220	U	0.220	1.00
N-Propylbenzene	0.150	U	0.150	1.00
2-Chlorotoluene	0.130	U	0.130	1.00
4-Chlorotoluene	0.140	U	0.140	1.00
1,3,5-Trimethylbenzene	0.100	U	0.100	1.00
tert-Butylbenzene	0.0800	U	0.0800	1.00
p-Isopropyltoluene	0.100	U	0.100	1.00
1,2,4-Trimethylbenzene	0.140	U	0.140	1.00
sec-Butylbenzene	0.120	U	0.120	1.00
1,3-Dichlorobenzene	0.130	U	0.130	1.00
1,4-Dichlorobenzene	0.110	U	0.110	1.00
1,2-Dichlorobenzene	0.100	U	0.100	1.00
n-Butylbenzene	0.160	U	0.160	1.00
1,2-Dibromo-3-Chloropropane	0.810	U	0.810	1.00
1,2,4-Trichlorobenzene	0.310	U	0.310	1.00
Hexachlorobutadiene	0.170	U	0.170	1.00
Naphthalene	0.7547	J	0.320	2.00
1,2,3-Trichlorobenzene	0.6381	J	0.570	1.00

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	94	67 - 139
Dibromofluoromethane	102	62 - 130
Toluene-d8 (Surr)	95	70 - 130
1,2-Dichloroethane-d4 (Surr)	105	50 - 134

Quality Control Results

Client: CH2M Hill Constructors, Inc.

Job Number: 600-90241-1

Lab Control Sample - Batch: 600-131850

Method: 8260B

Preparation: 5030B

Lab Sample ID:	LCS 600-131850/3	Analysis Batch:	600-131850	Instrument ID:	VOAMS01
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	C10102.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	04/11/2014 0949	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	04/11/2014 0949				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dichlorodifluoromethane	10.0	9.379	94	10 - 150	
Chloromethane	10.0	10.54	105	10 - 150	
Vinyl chloride	10.0	11.18	112	33 - 150	
Bromomethane	10.0	11.72	117	25 - 150	
Chloroethane	10.0	9.508	95	47 - 150	
Trichlorofluoromethane	10.0	11.65	117	43 - 150	
1,1-Dichloroethene	10.0	8.346	83	58 - 148	
trans-1,2-Dichloroethene	10.0	9.899	99	68 - 131	
Methyl tert-butyl ether	10.0	10.43	104	56 - 132	
Methylene Chloride	10.0	10.59	106	55 - 147	
cis-1,2-Dichloroethene	10.0	10.17	102	68 - 130	
2-Butanone (MEK)	20.0	20.18	101	41 - 141	
Bromochloromethane	10.0	9.183	92	58 - 130	
Carbon tetrachloride	10.0	12.89	129	70 - 144	
Benzene	10.0	10.19	102	70 - 130	
1,2-Dichloroethane	10.0	11.97	120	67 - 134	
Trichloroethene	10.0	11.33	113	70 - 130	
1,1,1-Trichloroethane	10.0	12.84	128	70 - 136	
1,1-Dichloroethane	10.0	10.49	105	70 - 140	
1,2-Dichloropropane	10.0	9.884	99	70 - 130	
2,2-Dichloropropane	10.0	12.53	125	64 - 149	
Dibromomethane	10.0	10.64	106	70 - 130	
Chloroform	10.0	11.30	113	70 - 130	
Bromodichloromethane	10.0	11.39	114	70 - 131	
2-Chloroethyl vinyl ether	20.0	8.638	43	10 - 150	
1,1-Dichloropropene	10.0	12.25	123	70 - 137	
cis-1,3-Dichloropropene	10.0	10.10	101	57 - 130	
Toluene	10.0	10.90	109	70 - 130	
trans-1,3-Dichloropropene	10.0	10.23	102	60 - 130	
1,1,2-Trichloroethane	10.0	9.292	93	70 - 130	
Tetrachloroethene	10.0	11.21	112	47 - 150	
1,3-Dichloropropane	10.0	9.344	93	70 - 130	
Chlorodibromomethane	10.0	10.14	101	62 - 130	
1,2-Dibromoethane	10.0	9.653	97	67 - 130	
Chlorobenzene	10.0	10.04	100	69 - 130	
1,1,1,2-Tetrachloroethane	10.0	10.99	110	70 - 130	
Ethylbenzene	10.0	10.57	106	70 - 130	
m-Xylene & p-Xylene	10.0	10.57	106	70 - 130	
Xylenes, Total	20.0	21.73	109	70 - 130	
o-Xylene	10.0	11.16	112	70 - 130	
Styrene	10.0	9.370	94	70 - 130	
Bromoform	10.0	7.395	74	54 - 133	
Isopropylbenzene	10.0	8.888	89	65 - 132	
Bromobenzene	10.0	8.080	81	70 - 130	
1,2,3-Trichloropropane	10.0	7.581	76	48 - 136	
1,1,2,2-Tetrachloroethane	10.0	6.891	69	58 - 133	

Quality Control Results

Client: CH2M Hill Constructors, Inc.

Job Number: 600-90241-1

Lab Control Sample - Batch: 600-131850

Method: 8260B

Preparation: 5030B

Lab Sample ID: LCS 600-131850/3	Analysis Batch: 600-131850	Instrument ID: VOAMS01
Client Matrix: Water	Prep Batch: N/A	Lab File ID: C10102.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 20 mL
Analysis Date: 04/11/2014 0949	Units: ug/L	Final Weight/Volume: 20 mL
Prep Date: 04/11/2014 0949		
Leach Date: N/A		

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
N-Propylbenzene	10.0	8.435	84	69 - 130	
2-Chlorotoluene	10.0	8.862	89	65 - 130	
4-Chlorotoluene	10.0	9.068	91	70 - 130	
1,3,5-Trimethylbenzene	10.0	8.928	89	69 - 130	
tert-Butylbenzene	10.0	9.100	91	70 - 130	
p-Isopropyltoluene	10.0	9.700	97	70 - 130	
1,2,4-Trimethylbenzene	10.0	8.969	90	70 - 130	
sec-Butylbenzene	10.0	9.978	100	68 - 130	
1,3-Dichlorobenzene	10.0	8.417	84	70 - 130	
1,4-Dichlorobenzene	10.0	8.265	83	70 - 130	
1,2-Dichlorobenzene	10.0	8.277	83	70 - 130	
n-Butylbenzene	10.0	9.415	94	70 - 130	
1,2-Dibromo-3-Chloropropane	10.0	7.410	74	41 - 142	
1,2,4-Trichlorobenzene	10.0	9.152	92	46 - 150	
Hexachlorobutadiene	10.0	10.62	106	55 - 150	
Naphthalene	10.0	7.483	75	10 - 150	
1,2,3-Trichlorobenzene	10.0	8.833	88	10 - 150	

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	73	67 - 139
Dibromofluoromethane	87	62 - 130
Toluene-d8 (Surr)	87	70 - 130
1,2-Dichloroethane-d4 (Surr)	90	50 - 134

Quality Control Results

Client: CH2M Hill Constructors, Inc.

Job Number: 600-90241-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 600-131850**

**Method: 8260B
Preparation: 5030B**

MS Lab Sample ID:	600-90229-F-19 MS	Analysis Batch:	600-131850	Instrument ID:	VOAMS01
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	C10109.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	04/11/2014 1304			Final Weight/Volume:	20 mL
Prep Date:	04/11/2014 1304				
Leach Date:	N/A				

MSD Lab Sample ID:	600-90229-F-19 MSD	Analysis Batch:	600-131850	Instrument ID:	VOAMS01
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	C10110.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	04/11/2014 1329			Final Weight/Volume:	20 mL
Prep Date:	04/11/2014 1329				
Leach Date:	N/A				

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Dichlorodifluoromethane	77	74	10 - 150	4	30		
Chloromethane	92	89	10 - 150	4	30		
Vinyl chloride	93	94	33 - 150	0	30		
Bromomethane	102	91	25 - 150	11	30		
Chloroethane	86	81	47 - 150	6	30		
Trichlorofluoromethane	102	97	43 - 150	5	30		
1,1-Dichloroethene	71	69	58 - 148	3	30		
trans-1,2-Dichloroethene	86	85	68 - 131	1	30		
Methyl tert-butyl ether	93	101	56 - 132	7	30		
Methylene Chloride	87	82	55 - 147	5	30		
cis-1,2-Dichloroethene	88	85	68 - 130	3	30		
2-Butanone (MEK)	92	92	41 - 141	0	30		
Bromochloromethane	82	81	58 - 130	1	30		
Carbon tetrachloride	111	101	70 - 144	10	30		
Benzene	89	85	70 - 130	4	30		
1,2-Dichloroethane	104	101	67 - 134	3	30		
Trichloroethene	98	92	70 - 130	6	30		
1,1,1-Trichloroethane	111	102	70 - 136	8	30		
1,1-Dichloroethane	91	86	70 - 140	4	30		
1,2-Dichloropropane	87	86	70 - 130	1	30		
2,2-Dichloropropane	108	99	64 - 149	8	30		
Dibromomethane	96	93	70 - 130	3	30		
Chloroform	101	94	70 - 130	7	30		
Bromodichloromethane	102	99	70 - 131	3	30		
2-Chloroethyl vinyl ether	17	17	10 - 150	0	30		
1,1-Dichloropropene	101	97	70 - 137	4	30		
cis-1,3-Dichloropropene	84	85	57 - 130	1	30		
Toluene	90	87	70 - 130	3	30		
trans-1,3-Dichloropropene	86	90	60 - 130	5	30		
1,1,2-Trichloroethane	78	83	70 - 130	6	30		
Tetrachloroethene	91	87	47 - 150	5	30		
1,3-Dichloropropane	80	83	70 - 130	4	30		
Chlorodibromomethane	86	89	62 - 130	3	30		

Quality Control Results

Client: CH2M Hill Constructors, Inc.

Job Number: 600-90241-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 600-131850

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	600-90229-F-19 MS	Analysis Batch:	600-131850	Instrument ID:	VOAMS01
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	C10109.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	04/11/2014 1304			Final Weight/Volume:	20 mL
Prep Date:	04/11/2014 1304				
Leach Date:	N/A				

MSD Lab Sample ID:	600-90229-F-19 MSD	Analysis Batch:	600-131850	Instrument ID:	VOAMS01
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	C10110.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	04/11/2014 1329			Final Weight/Volume:	20 mL
Prep Date:	04/11/2014 1329				
Leach Date:	N/A				

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
1,2-Dibromoethane	81	86	67 - 130	6	30		
Chlorobenzene	84	83	69 - 130	1	30		
1,1,1,2-Tetrachloroethane	91	90	70 - 130	1	30		
Ethylbenzene	89	85	70 - 130	4	30		
m-Xylene & p-Xylene	88	86	70 - 130	3	30		
Xylenes, Total	91	89	70 - 130	3	30		
o-Xylene	94	91	70 - 130	3	30		
Styrene	76	78	70 - 130	2	30		
Bromoform	68	72	54 - 133	5	30		
Isopropylbenzene	79	77	65 - 132	2	30		
Bromobenzene	72	74	70 - 130	3	30		
1,2,3-Trichloropropane	69	76	48 - 136	10	30		
1,1,2,2-Tetrachloroethane	61	69	58 - 133	13	30		
N-Propylbenzene	75	74	69 - 130	1	30		
2-Chlorotoluene	79	77	70 - 130	1	30		
4-Chlorotoluene	80	80	70 - 130	0	30		
1,3,5-Trimethylbenzene	78	78	69 - 130	1	30		
tert-Butylbenzene	80	78	70 - 130	3	30		
p-Isopropyltoluene	85	82	70 - 130	3	30		
1,2,4-Trimethylbenzene	79	78	70 - 130	0	30		
sec-Butylbenzene	87	85	68 - 130	2	30		
1,3-Dichlorobenzene	73	75	70 - 130	2	30		
1,4-Dichlorobenzene	73	75	70 - 130	3	30		
1,2-Dichlorobenzene	72	77	70 - 130	7	30		
n-Butylbenzene	81	80	70 - 130	1	30		
1,2-Dibromo-3-Chloropropane	63	76	41 - 142	19	30		
1,2,4-Trichlorobenzene	68	87	46 - 150	24	30		
Hexachlorobutadiene	83	86	55 - 150	4	30		
Naphthalene	34	63	10 - 150	53	30		F2
1,2,3-Trichlorobenzene	62	87	10 - 150	33	30		F2
Surrogate	MS % Rec		MSD % Rec	Acceptance Limits			
4-Bromofluorobenzene	77		77	67 - 139			
Dibromofluoromethane	89		86	62 - 130			

Quality Control Results

Client: CH2M Hill Constructors, Inc.

Job Number: 600-90241-1

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Toluene-d8 (Surr)	84	83	70 - 130
1,2-Dichloroethane-d4 (Surr)	94	90	50 - 134

Quality Control Results

Client: CH2M Hill Constructors, Inc.

Job Number: 600-90241-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 600-131850

Method: 8260B
Preparation: 5030B

MS Lab Sample ID: 600-90229-F-19 MS Units: ug/L
Client Matrix: Water
Dilution: 1.0
Analysis Date: 04/11/2014 1304
Prep Date: 04/11/2014 1304
Leach Date: N/A

MSD Lab Sample ID: 600-90229-F-19 MSD
Client Matrix: Water
Dilution: 1.0
Analysis Date: 04/11/2014 1329
Prep Date: 04/11/2014 1329
Leach Date: N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Dichlorodifluoromethane	0.120	U	10.0	10.0	7.732	7.430
Chloromethane	0.180	U	10.0	10.0	9.219	8.885
Vinyl chloride	0.110	U	10.0	10.0	9.337	9.374
Bromomethane	0.250	U	10.0	10.0	10.15	9.110
Chloroethane	0.0800	U	10.0	10.0	8.599	8.064
Trichlorofluoromethane	0.0800	U	10.0	10.0	10.19	9.678
1,1-Dichloroethene	0.190	U	10.0	10.0	7.078	6.861
trans-1,2-Dichloroethene	0.0900	U	10.0	10.0	8.582	8.463
Methyl tert-butyl ether	0.120	U	10.0	10.0	9.345	10.07
Methylene Chloride	0.150	U	10.0	10.0	8.698	8.244
cis-1,2-Dichloroethene	0.0600	U	10.0	10.0	8.800	8.548
2-Butanone (MEK)	0.760	U	20.0	20.0	18.47	18.48
Bromochloromethane	0.180	U	10.0	10.0	8.224	8.130
Carbon tetrachloride	0.150	U	10.0	10.0	11.14	10.09
Benzene	0.0800	U	10.0	10.0	8.890	8.525
1,2-Dichloroethane	0.140	U	10.0	10.0	10.40	10.06
Trichloroethene	0.180	U	10.0	10.0	9.760	9.160
1,1,1-Trichloroethane	0.150	U	10.0	10.0	11.09	10.25
1,1-Dichloroethane	0.678	J	10.0	10.0	9.741	9.313
1,2-Dichloropropane	0.160	U	10.0	10.0	8.685	8.592
2,2-Dichloropropane	0.130	U	10.0	10.0	10.76	9.947
Dibromomethane	0.520	U	10.0	10.0	9.591	9.280
Chloroform	0.130	U	10.0	10.0	10.06	9.426
Bromodichloromethane	0.160	U	10.0	10.0	10.22	9.876
2-Chloroethyl vinyl ether	0.500	U	20.0	20.0	3.404	3.409
1,1-Dichloropropene	0.210	U	10.0	10.0	10.12	9.703
cis-1,3-Dichloropropene	0.180	U	10.0	10.0	8.444	8.512
Toluene	0.150	U	10.0	10.0	9.003	8.729
trans-1,3-Dichloropropene	0.210	U	10.0	10.0	8.587	9.029
1,1,2-Trichloroethane	0.280	U	10.0	10.0	7.835	8.350
Tetrachloroethene	0.130	U	10.0	10.0	9.132	8.716
1,3-Dichloropropane	0.220	U	10.0	10.0	7.980	8.308
Chlorodibromomethane	0.150	U	10.0	10.0	8.642	8.919
1,2-Dibromoethane	0.180	U	10.0	10.0	8.126	8.599
Chlorobenzene	0.120	U	10.0	10.0	8.433	8.313
1,1,1,2-Tetrachloroethane	0.180	U	10.0	10.0	9.087	9.000
Ethylbenzene	0.110	U	10.0	10.0	8.865	8.529
m-Xylene & p-Xylene	0.170	U	10.0	10.0	8.792	8.569
Xylenes, Total	0.260	U	20.0	20.0	18.21	17.71
o-Xylene	0.120	U	10.0	10.0	9.414	9.140
Styrene	0.0700	U	10.0	10.0	7.623	7.790
Bromoform	0.190	U	10.0	10.0	6.825	7.173
Isopropylbenzene	0.180	U	10.0	10.0	7.896	7.726

Quality Control Results

Client: CH2M Hill Constructors, Inc.

Job Number: 600-90241-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 600-131850**

**Method: 8260B
Preparation: 5030B**

MS Lab Sample ID: 600-90229-F-19 MS Units: ug/L
Client Matrix: Water
Dilution: 1.0
Analysis Date: 04/11/2014 1304
Prep Date: 04/11/2014 1304
Leach Date: N/A

MSD Lab Sample ID: 600-90229-F-19 MSD
Client Matrix: Water
Dilution: 1.0
Analysis Date: 04/11/2014 1329
Prep Date: 04/11/2014 1329
Leach Date: N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual	
Bromobenzene	0.190	U	10.0	10.0	7.157	7.411	
1,2,3-Trichloropropane	0.290	U	10.0	10.0	6.902	7.596	
1,1,2,2-Tetrachloroethane	0.220	U	10.0	10.0	6.067	6.936	
N-Propylbenzene	0.150	U	10.0	10.0	7.492	7.435	
2-Chlorotoluene	0.130	U	10.0	10.0	7.858	7.741	
4-Chlorotoluene	0.140	U	10.0	10.0	7.993	7.970	
1,3,5-Trimethylbenzene	0.100	U	10.0	10.0	7.837	7.751	
tert-Butylbenzene	0.0800	U	10.0	10.0	8.033	7.811	
p-Isopropyltoluene	0.100	U	10.0	10.0	8.457	8.207	
1,2,4-Trimethylbenzene	0.140	U	10.0	10.0	7.854	7.818	
sec-Butylbenzene	0.120	U	10.0	10.0	8.699	8.515	
1,3-Dichlorobenzene	0.130	U	10.0	10.0	7.336	7.512	
1,4-Dichlorobenzene	0.110	U	10.0	10.0	7.310	7.503	
1,2-Dichlorobenzene	0.100	U	10.0	10.0	7.212	7.744	
n-Butylbenzene	0.160	U	10.0	10.0	8.063	7.993	
1,2-Dibromo-3-Chloropropane	0.810	U	10.0	10.0	6.266	7.556	
1,2,4-Trichlorobenzene	0.310	U	10.0	10.0	6.838	8.708	
Hexachlorobutadiene	0.170	U	10.0	10.0	8.331	8.635	
Naphthalene	0.673	J	10.0	10.0	4.052	6.990	F2
1,2,3-Trichlorobenzene	0.570	U	10.0	10.0	6.233	8.710	F2

Quality Control Results

Client: CH2M Hill Constructors, Inc.

Job Number: 600-90241-1

Method Blank - Batch: 600-131912

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 600-131912/5
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 04/12/2014 1226
 Prep Date: 04/12/2014 1226
 Leach Date: N/A

Analysis Batch: 600-131912
 Prep Batch: N/A
 Leach Batch: N/A
 Units: ug/L

Instrument ID: VOAMS01
 Lab File ID: C10206.D
 Initial Weight/Volume: 20 mL
 Final Weight/Volume: 20 mL

Analyte	Result	Qual	MDL	RL
Dichlorodifluoromethane	0.120	U	0.120	1.00
Chloromethane	0.180	U	0.180	2.00
Vinyl chloride	0.110	U	0.110	2.00
Bromomethane	0.250	U	0.250	2.00
Chloroethane	0.0800	U	0.0800	2.00
Trichlorofluoromethane	0.0800	U	0.0800	1.00
1,1-Dichloroethene	0.190	U	0.190	1.00
trans-1,2-Dichloroethene	0.0900	U	0.0900	1.00
Methyl tert-butyl ether	0.120	U	0.120	1.00
Methylene Chloride	0.150	U	0.150	5.00
cis-1,2-Dichloroethene	0.0600	U	0.0600	1.00
2-Butanone (MEK)	0.760	U	0.760	2.00
Bromochloromethane	0.180	U	0.180	1.00
Carbon tetrachloride	0.150	U	0.150	1.00
Benzene	0.0800	U	0.0800	1.00
1,2-Dichloroethane	0.140	U	0.140	1.00
Trichloroethene	0.180	U	0.180	1.00
1,1,1-Trichloroethane	0.150	U	0.150	1.00
1,1-Dichloroethane	0.110	U	0.110	1.00
1,2-Dichloropropane	0.160	U	0.160	1.00
2,2-Dichloropropane	0.130	U	0.130	1.00
Dibromomethane	0.520	U	0.520	1.00
Chloroform	0.130	U	0.130	1.00
Bromodichloromethane	0.160	U	0.160	1.00
2-Chloroethyl vinyl ether	0.500	U	0.500	2.00
1,1-Dichloropropene	0.210	U	0.210	1.00
cis-1,3-Dichloropropene	0.180	U	0.180	1.00
Toluene	0.150	U	0.150	1.00
trans-1,3-Dichloropropene	0.210	U	0.210	1.00
1,1,2-Trichloroethane	0.280	U	0.280	1.00
Tetrachloroethene	0.130	U	0.130	1.00
1,3-Dichloropropane	0.220	U	0.220	1.00
Chlorodibromomethane	0.150	U	0.150	1.00
1,2-Dibromoethane	0.180	U	0.180	1.00
Chlorobenzene	0.120	U	0.120	1.00
1,1,1,2-Tetrachloroethane	0.180	U	0.180	1.00
Ethylbenzene	0.110	U	0.110	1.00
m-Xylene & p-Xylene	0.170	U	0.170	1.00
Xylenes, Total	0.260	U	0.260	1.00
o-Xylene	0.120	U	0.120	1.00
Styrene	0.0700	U	0.0700	1.00
Bromoform	0.190	U	0.190	1.00
Isopropylbenzene	0.180	U	0.180	1.00
Bromobenzene	0.190	U	0.190	1.00
1,2,3-Trichloropropane	0.290	U	0.290	1.00

Quality Control Results

Client: CH2M Hill Constructors, Inc.

Job Number: 600-90241-1

Method Blank - Batch: 600-131912

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 600-131912/5
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 04/12/2014 1226
 Prep Date: 04/12/2014 1226
 Leach Date: N/A

Analysis Batch: 600-131912
 Prep Batch: N/A
 Leach Batch: N/A
 Units: ug/L

Instrument ID: VOAMS01
 Lab File ID: C10206.D
 Initial Weight/Volume: 20 mL
 Final Weight/Volume: 20 mL

Analyte	Result	Qual	MDL	RL
1,1,2,2-Tetrachloroethane	0.220	U	0.220	1.00
N-Propylbenzene	0.150	U	0.150	1.00
2-Chlorotoluene	0.130	U	0.130	1.00
4-Chlorotoluene	0.140	U	0.140	1.00
1,3,5-Trimethylbenzene	0.100	U	0.100	1.00
tert-Butylbenzene	0.0800	U	0.0800	1.00
p-Isopropyltoluene	0.100	U	0.100	1.00
1,2,4-Trimethylbenzene	0.140	U	0.140	1.00
sec-Butylbenzene	0.120	U	0.120	1.00
1,3-Dichlorobenzene	0.130	U	0.130	1.00
1,4-Dichlorobenzene	0.110	U	0.110	1.00
1,2-Dichlorobenzene	0.100	U	0.100	1.00
n-Butylbenzene	0.160	U	0.160	1.00
1,2-Dibromo-3-Chloropropane	0.810	U	0.810	1.00
1,2,4-Trichlorobenzene	0.310	U	0.310	1.00
Hexachlorobutadiene	0.2517	J	0.170	1.00
Naphthalene	0.7648	J	0.320	2.00
1,2,3-Trichlorobenzene	0.7229	J	0.570	1.00

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	109	67 - 139
Dibromofluoromethane	75	62 - 130
Toluene-d8 (Surr)	101	70 - 130
1,2-Dichloroethane-d4 (Surr)	72	50 - 134

Quality Control Results

Client: CH2M Hill Constructors, Inc.

Job Number: 600-90241-1

Lab Control Sample/

Lab Control Sample Duplicate Recovery Report - Batch: 600-131912

Method: 8260B

Preparation: 5030B

LCS Lab Sample ID: LCS 600-131912/3	Analysis Batch: 600-131912	Instrument ID: VOAMS01
Client Matrix: Water	Prep Batch: N/A	Lab File ID: C10202.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 20 mL
Analysis Date: 04/12/2014 1043	Units: ug/L	Final Weight/Volume: 20 mL
Prep Date: 04/12/2014 1043		
Leach Date: N/A		

LCSD Lab Sample ID: LCSD 600-131912/4	Analysis Batch: 600-131912	Instrument ID: VOAMS01
Client Matrix: Water	Prep Batch: N/A	Lab File ID: C10203.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 20 mL
Analysis Date: 04/12/2014 1110	Units: ug/L	Final Weight/Volume: 20 mL
Prep Date: 04/12/2014 1110		
Leach Date: N/A		

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Dichlorodifluoromethane	81	73	10 - 150	10	20		
Chloromethane	76	69	10 - 150	9	20		
Vinyl chloride	101	94	33 - 150	7	20		
Bromomethane	104	93	25 - 150	10	20		
Chloroethane	95	91	47 - 150	4	20		
Trichlorofluoromethane	108	99	43 - 150	9	20		
1,1-Dichloroethene	69	64	58 - 148	7	20		
trans-1,2-Dichloroethene	88	81	68 - 131	8	20		
Methyl tert-butyl ether	87	94	56 - 132	9	20		
Methylene Chloride	85	84	55 - 147	1	20		
cis-1,2-Dichloroethene	88	84	68 - 130	5	20		
2-Butanone (MEK)	84	83	41 - 141	1	20		
Bromochloromethane	73	74	58 - 130	2	20		
Carbon tetrachloride	103	90	70 - 144	13	20		
Benzene	90	84	70 - 130	7	20		
1,2-Dichloroethane	92	92	67 - 134	0	20		
Trichloroethene	97	87	70 - 130	10	20		
1,1,1-Trichloroethane	104	94	70 - 136	11	20		
1,1-Dichloroethane	90	84	70 - 140	6	20		
1,2-Dichloropropane	86	85	70 - 130	1	20		
2,2-Dichloropropane	104	92	64 - 149	12	20		
Dibromomethane	83	85	70 - 130	2	20		
Chloroform	94	87	70 - 130	7	20		
Bromodichloromethane	92	91	70 - 131	1	20		
2-Chloroethyl vinyl ether	105	127	10 - 150	20	20		
1,1-Dichloropropene	105	94	70 - 137	11	20		
cis-1,3-Dichloropropene	106	106	57 - 130	0	20		
Toluene	119	108	70 - 130	9	20		
trans-1,3-Dichloropropene	107	109	60 - 130	2	20		
1,1,2-Trichloroethane	97	99	70 - 130	2	20		
Tetrachloroethene	118	106	47 - 150	11	20		
1,3-Dichloropropane	96	100	70 - 130	4	20		
Chlorodibromomethane	101	103	62 - 130	2	20		
1,2-Dibromoethane	99	104	67 - 130	6	20		
Chlorobenzene	109	103	69 - 130	6	20		
1,1,1,2-Tetrachloroethane	111	107	70 - 130	4	20		

Quality Control Results

Client: CH2M Hill Constructors, Inc.

Job Number: 600-90241-1

Lab Control Sample/

Lab Control Sample Duplicate Recovery Report - Batch: 600-131912

Method: 8260B

Preparation: 5030B

LCS Lab Sample ID: LCS 600-131912/3	Analysis Batch: 600-131912	Instrument ID: VOAMS01
Client Matrix: Water	Prep Batch: N/A	Lab File ID: C10202.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 20 mL
Analysis Date: 04/12/2014 1043	Units: ug/L	Final Weight/Volume: 20 mL
Prep Date: 04/12/2014 1043		
Leach Date: N/A		

LCSD Lab Sample ID: LCSD 600-131912/4	Analysis Batch: 600-131912	Instrument ID: VOAMS01
Client Matrix: Water	Prep Batch: N/A	Lab File ID: C10203.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 20 mL
Analysis Date: 04/12/2014 1110	Units: ug/L	Final Weight/Volume: 20 mL
Prep Date: 04/12/2014 1110		
Leach Date: N/A		

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Ethylbenzene	115	106	70 - 130	9	20		
m-Xylene & p-Xylene	114	106	70 - 130	8	20		
Xylenes, Total	116	108	70 - 130	7	20		
o-Xylene	119	110	70 - 130	7	20		
Styrene	98	95	70 - 130	3	20		
Bromoform	87	91	54 - 133	4	20		
Isopropylbenzene	114	101	65 - 132	12	20		
Bromobenzene	101	98	70 - 130	3	20		
1,2,3-Trichloropropane	89	92	48 - 136	4	20		
1,1,2,2-Tetrachloroethane	82	89	58 - 133	8	20		
N-Propylbenzene	108	96	69 - 130	12	20		
2-Chlorotoluene	112	102	65 - 130	9	20		
4-Chlorotoluene	113	104	70 - 130	8	20		
1,3,5-Trimethylbenzene	111	99	69 - 130	11	20		
tert-Butylbenzene	114	101	70 - 130	12	20		
p-Isopropyltoluene	120	106	70 - 130	13	20		
1,2,4-Trimethylbenzene	111	100	70 - 130	10	20		
sec-Butylbenzene	125	110	68 - 130	13	20		
1,3-Dichlorobenzene	103	97	70 - 130	6	20		
1,4-Dichlorobenzene	101	96	70 - 130	5	20		
1,2-Dichlorobenzene	100	99	70 - 130	1	20		
n-Butylbenzene	116	102	70 - 130	13	20		
1,2-Dibromo-3-Chloropropane	86	94	41 - 142	10	20		
1,2,4-Trichlorobenzene	110	119	46 - 150	7	20		
Hexachlorobutadiene	125	107	55 - 150	15	20		
Naphthalene	102	111	10 - 150	9	20		
1,2,3-Trichlorobenzene	106	120	10 - 150	12	20		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
4-Bromofluorobenzene	89		92		67 - 139		
Dibromofluoromethane	71		74		62 - 130		
Toluene-d8 (Surr)	96		96		70 - 130		
1,2-Dichloroethane-d4 (Surr)	71		75		50 - 134		

Quality Control Results

Client: CH2M Hill Constructors, Inc.

Job Number: 600-90241-1

Laboratory Control/ Laboratory Duplicate Data Report - Batch: 600-131912

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID: LCS 600-131912/3 Units: ug/L
Client Matrix: Water
Dilution: 1.0
Analysis Date: 04/12/2014 1043
Prep Date: 04/12/2014 1043
Leach Date: N/A

LCSD Lab Sample ID: LCSD 600-131912/4
Client Matrix: Water
Dilution: 1.0
Analysis Date: 04/12/2014 1110
Prep Date: 04/12/2014 1110
Leach Date: N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Dichlorodifluoromethane	10.0	10.0	8.053	7.292
Chloromethane	10.0	10.0	7.572	6.904
Vinyl chloride	10.0	10.0	10.05	9.383
Bromomethane	10.0	10.0	10.38	9.349
Chloroethane	10.0	10.0	9.493	9.086
Trichlorofluoromethane	10.0	10.0	10.83	9.913
1,1-Dichloroethene	10.0	10.0	6.913	6.436
trans-1,2-Dichloroethene	10.0	10.0	8.787	8.097
Methyl tert-butyl ether	10.0	10.0	8.651	9.435
Methylene Chloride	10.0	10.0	8.456	8.403
cis-1,2-Dichloroethene	10.0	10.0	8.780	8.372
2-Butanone (MEK)	20.0	20.0	16.72	16.64
Bromochloromethane	10.0	10.0	7.330	7.442
Carbon tetrachloride	10.0	10.0	10.32	9.037
Benzene	10.0	10.0	9.039	8.435
1,2-Dichloroethane	10.0	10.0	9.182	9.199
Trichloroethene	10.0	10.0	9.692	8.748
1,1,1-Trichloroethane	10.0	10.0	10.43	9.352
1,1-Dichloroethane	10.0	10.0	8.984	8.447
1,2-Dichloropropane	10.0	10.0	8.601	8.479
2,2-Dichloropropane	10.0	10.0	10.38	9.155
Dibromomethane	10.0	10.0	8.293	8.463
Chloroform	10.0	10.0	9.394	8.731
Bromodichloromethane	10.0	10.0	9.221	9.131
2-Chloroethyl vinyl ether	20.0	20.0	20.93	25.47
1,1-Dichloropropene	10.0	10.0	10.52	9.418
cis-1,3-Dichloropropene	10.0	10.0	10.63	10.61
Toluene	10.0	10.0	11.87	10.81
trans-1,3-Dichloropropene	10.0	10.0	10.68	10.95
1,1,2-Trichloroethane	10.0	10.0	9.703	9.887
Tetrachloroethene	10.0	10.0	11.77	10.59
1,3-Dichloropropane	10.0	10.0	9.643	10.00
Chlorodibromomethane	10.0	10.0	10.11	10.30
1,2-Dibromoethane	10.0	10.0	9.881	10.45
Chlorobenzene	10.0	10.0	10.87	10.29
1,1,1,2-Tetrachloroethane	10.0	10.0	11.14	10.69
Ethylbenzene	10.0	10.0	11.52	10.58
m-Xylene & p-Xylene	10.0	10.0	11.42	10.57
Xylenes, Total	20.0	20.0	23.29	21.62

Quality Control Results

Client: CH2M Hill Constructors, Inc.

Job Number: 600-90241-1

Laboratory Control/ Laboratory Duplicate Data Report - Batch: 600-131912

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID: LCS 600-131912/3 Units: ug/L
Client Matrix: Water
Dilution: 1.0
Analysis Date: 04/12/2014 1043
Prep Date: 04/12/2014 1043
Leach Date: N/A

LCSD Lab Sample ID: LCSD 600-131912/4
Client Matrix: Water
Dilution: 1.0
Analysis Date: 04/12/2014 1110
Prep Date: 04/12/2014 1110
Leach Date: N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
o-Xylene	10.0	10.0	11.87	11.05
Styrene	10.0	10.0	9.772	9.484
Bromoform	10.0	10.0	8.741	9.074
Isopropylbenzene	10.0	10.0	11.35	10.12
Bromobenzene	10.0	10.0	10.11	9.779
1,2,3-Trichloropropane	10.0	10.0	8.899	9.223
1,1,2,2-Tetrachloroethane	10.0	10.0	8.185	8.880
N-Propylbenzene	10.0	10.0	10.81	9.558
2-Chlorotoluene	10.0	10.0	11.22	10.22
4-Chlorotoluene	10.0	10.0	11.30	10.43
1,3,5-Trimethylbenzene	10.0	10.0	11.12	9.908
tert-Butylbenzene	10.0	10.0	11.35	10.06
p-Isopropyltoluene	10.0	10.0	12.03	10.61
1,2,4-Trimethylbenzene	10.0	10.0	11.05	9.998
sec-Butylbenzene	10.0	10.0	12.53	10.96
1,3-Dichlorobenzene	10.0	10.0	10.30	9.734
1,4-Dichlorobenzene	10.0	10.0	10.09	9.637
1,2-Dichlorobenzene	10.0	10.0	10.03	9.933
n-Butylbenzene	10.0	10.0	11.56	10.16
1,2-Dibromo-3-Chloropropane	10.0	10.0	8.552	9.433
1,2,4-Trichlorobenzene	10.0	10.0	11.05	11.86
Hexachlorobutadiene	10.0	10.0	12.46	10.68
Naphthalene	10.0	10.0	10.16	11.12
1,2,3-Trichlorobenzene	10.0	10.0	10.62	12.02

Quality Control Results

Client: CH2M Hill Constructors, Inc.

Job Number: 600-90241-1

Method Blank - Batch: 600-132620

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 600-132620/4
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 04/21/2014 1058
 Prep Date: 04/21/2014 1058
 Leach Date: N/A

Analysis Batch: 600-132620
 Prep Batch: N/A
 Leach Batch: N/A
 Units: ug/L

Instrument ID: VOAMS06
 Lab File ID: J11104.D
 Initial Weight/Volume: 20 mL
 Final Weight/Volume: 20 mL

Analyte	Result	Qual	MDL	RL
Dichlorodifluoromethane	0.120	U	0.120	1.00
Chloromethane	0.180	U	0.180	2.00
Vinyl chloride	0.110	U	0.110	2.00
Bromomethane	0.250	U	0.250	2.00
Chloroethane	0.0800	U	0.0800	2.00
Trichlorofluoromethane	0.0800	U	0.0800	1.00
1,1-Dichloroethene	0.190	U	0.190	1.00
trans-1,2-Dichloroethene	0.0900	U	0.0900	1.00
Methyl tert-butyl ether	0.120	U	0.120	1.00
Methylene Chloride	0.150	U	0.150	5.00
cis-1,2-Dichloroethene	0.0600	U	0.0600	1.00
2-Butanone (MEK)	0.760	U	0.760	2.00
Bromochloromethane	0.180	U	0.180	1.00
Carbon tetrachloride	0.150	U	0.150	1.00
Benzene	0.0800	U	0.0800	1.00
1,2-Dichloroethane	0.140	U	0.140	1.00
Trichloroethene	0.180	U	0.180	1.00
1,1,1-Trichloroethane	0.150	U	0.150	1.00
1,1-Dichloroethane	0.110	U	0.110	1.00
1,2-Dichloropropane	0.160	U	0.160	1.00
2,2-Dichloropropane	0.130	U	0.130	1.00
Dibromomethane	0.520	U	0.520	1.00
Chloroform	0.130	U	0.130	1.00
Bromodichloromethane	0.160	U	0.160	1.00
2-Chloroethyl vinyl ether	0.500	U	0.500	2.00
1,1-Dichloropropene	0.210	U	0.210	1.00
cis-1,3-Dichloropropene	0.180	U	0.180	1.00
Toluene	0.150	U	0.150	1.00
trans-1,3-Dichloropropene	0.210	U	0.210	1.00
1,1,2-Trichloroethane	0.280	U	0.280	1.00
Tetrachloroethene	0.130	U	0.130	1.00
1,3-Dichloropropane	0.220	U	0.220	1.00
Chlorodibromomethane	0.150	U	0.150	1.00
1,2-Dibromoethane	0.180	U	0.180	1.00
Chlorobenzene	0.120	U	0.120	1.00
1,1,1,2-Tetrachloroethane	0.180	U	0.180	1.00
Ethylbenzene	0.110	U	0.110	1.00
m-Xylene & p-Xylene	0.170	U	0.170	1.00
Xylenes, Total	0.260	U	0.260	1.00
o-Xylene	0.120	U	0.120	1.00
Styrene	0.0700	U	0.0700	1.00
Bromoform	0.190	U	0.190	1.00
Isopropylbenzene	0.180	U	0.180	1.00
Bromobenzene	0.190	U	0.190	1.00
1,2,3-Trichloropropane	0.290	U	0.290	1.00

Quality Control Results

Client: CH2M Hill Constructors, Inc.

Job Number: 600-90241-1

Method Blank - Batch: 600-132620

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 600-132620/4
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 04/21/2014 1058
 Prep Date: 04/21/2014 1058
 Leach Date: N/A

Analysis Batch: 600-132620
 Prep Batch: N/A
 Leach Batch: N/A
 Units: ug/L

Instrument ID: VOAMS06
 Lab File ID: J11104.D
 Initial Weight/Volume: 20 mL
 Final Weight/Volume: 20 mL

Analyte	Result	Qual	MDL	RL
1,1,2,2-Tetrachloroethane	0.220	U	0.220	1.00
N-Propylbenzene	0.150	U	0.150	1.00
2-Chlorotoluene	0.130	U	0.130	1.00
4-Chlorotoluene	0.140	U	0.140	1.00
1,3,5-Trimethylbenzene	0.100	U	0.100	1.00
tert-Butylbenzene	0.0800	U	0.0800	1.00
p-Isopropyltoluene	0.100	U	0.100	1.00
1,2,4-Trimethylbenzene	0.140	U	0.140	1.00
sec-Butylbenzene	0.120	U	0.120	1.00
1,3-Dichlorobenzene	0.130	U	0.130	1.00
1,4-Dichlorobenzene	0.110	U	0.110	1.00
1,2-Dichlorobenzene	0.100	U	0.100	1.00
n-Butylbenzene	0.160	U	0.160	1.00
1,2-Dibromo-3-Chloropropane	0.810	U	0.810	1.00
1,2,4-Trichlorobenzene	0.310	U	0.310	1.00
Hexachlorobutadiene	0.170	U	0.170	1.00
Naphthalene	0.320	U	0.320	2.00
1,2,3-Trichlorobenzene	0.570	U	0.570	1.00

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	85	67 - 139
Dibromofluoromethane	83	62 - 130
Toluene-d8 (Surr)	91	70 - 130
1,2-Dichloroethane-d4 (Surr)	75	50 - 134

Quality Control Results

Client: CH2M Hill Constructors, Inc.

Job Number: 600-90241-1

Lab Control Sample - Batch: 600-132620

Method: 8260B

Preparation: 5030B

Lab Sample ID: LCS 600-132620/3
Client Matrix: Water
Dilution: 1.0
Analysis Date: 04/21/2014 1005
Prep Date: 04/21/2014 1005
Leach Date: N/A

Analysis Batch: 600-132620
Prep Batch: N/A
Leach Batch: N/A
Units: ug/L

Instrument ID: VOAMS06
Lab File ID: J11102.D
Initial Weight/Volume: 20 mL
Final Weight/Volume: 20 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dichlorodifluoromethane	10.0	8.512	85	10 - 150	
Chloromethane	10.0	10.73	107	10 - 150	
Vinyl chloride	10.0	11.08	111	33 - 150	
Bromomethane	10.0	10.76	108	25 - 150	
Chloroethane	10.0	10.25	102	47 - 150	
Trichlorofluoromethane	10.0	10.85	108	43 - 150	
1,1-Dichloroethene	10.0	10.61	106	58 - 148	
trans-1,2-Dichloroethene	10.0	10.19	102	68 - 131	
Methyl tert-butyl ether	10.0	8.143	81	56 - 132	
Methylene Chloride	10.0	7.057	71	55 - 147	
cis-1,2-Dichloroethene	10.0	9.869	99	68 - 130	
2-Butanone (MEK)	20.0	16.98	85	41 - 141	
Bromochloromethane	10.0	9.712	97	58 - 130	
Carbon tetrachloride	10.0	10.55	105	70 - 144	
Benzene	10.0	9.862	99	70 - 130	
1,2-Dichloroethane	10.0	9.082	91	67 - 134	
Trichloroethene	10.0	10.64	106	70 - 130	
1,1,1-Trichloroethane	10.0	10.30	103	70 - 136	
1,1-Dichloroethane	10.0	9.829	98	70 - 140	
1,2-Dichloropropane	10.0	9.439	94	70 - 130	
2,2-Dichloropropane	10.0	9.900	99	64 - 149	
Dibromomethane	10.0	9.477	95	70 - 130	
Chloroform	10.0	9.670	97	70 - 130	
Bromodichloromethane	10.0	9.326	93	70 - 131	
2-Chloroethyl vinyl ether	20.0	16.15	81	10 - 150	
1,1-Dichloropropene	10.0	9.868	99	70 - 137	
cis-1,3-Dichloropropene	10.0	9.164	92	57 - 130	
Toluene	10.0	10.33	103	70 - 130	
trans-1,3-Dichloropropene	10.0	8.695	87	60 - 130	
1,1,2-Trichloroethane	10.0	9.688	97	70 - 130	
Tetrachloroethene	10.0	11.28	113	47 - 150	
1,3-Dichloropropane	10.0	9.154	92	70 - 130	
Chlorodibromomethane	10.0	9.586	96	62 - 130	
1,2-Dibromoethane	10.0	9.428	94	67 - 130	
Chlorobenzene	10.0	10.18	102	69 - 130	
1,1,1,2-Tetrachloroethane	10.0	10.41	104	70 - 130	
Ethylbenzene	10.0	10.35	103	70 - 130	
m-Xylene & p-Xylene	10.0	10.55	105	70 - 130	
Xylenes, Total	20.0	20.70	104	70 - 130	
o-Xylene	10.0	10.15	101	70 - 130	
Styrene	10.0	9.823	98	70 - 130	
Bromoform	10.0	8.123	81	54 - 133	
Isopropylbenzene	10.0	9.629	96	65 - 132	
Bromobenzene	10.0	9.445	94	70 - 130	
1,2,3-Trichloropropane	10.0	8.542	85	48 - 136	
1,1,2,2-Tetrachloroethane	10.0	9.194	92	58 - 133	

Quality Control Results

Client: CH2M Hill Constructors, Inc.

Job Number: 600-90241-1

Lab Control Sample - Batch: 600-132620

Method: 8260B

Preparation: 5030B

Lab Sample ID:	LCS 600-132620/3	Analysis Batch:	600-132620	Instrument ID:	VOAMS06
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	J11102.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	04/21/2014 1005	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	04/21/2014 1005				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
N-Propylbenzene	10.0	9.825	98	69 - 130	
2-Chlorotoluene	10.0	9.674	97	65 - 130	
4-Chlorotoluene	10.0	8.997	90	70 - 130	
1,3,5-Trimethylbenzene	10.0	9.472	95	69 - 130	
tert-Butylbenzene	10.0	10.02	100	70 - 130	
p-Isopropyltoluene	10.0	10.12	101	70 - 130	
1,2,4-Trimethylbenzene	10.0	9.447	94	70 - 130	
sec-Butylbenzene	10.0	9.988	100	68 - 130	
1,3-Dichlorobenzene	10.0	9.517	95	70 - 130	
1,4-Dichlorobenzene	10.0	9.549	95	70 - 130	
1,2-Dichlorobenzene	10.0	9.450	95	70 - 130	
n-Butylbenzene	10.0	9.756	98	70 - 130	
1,2-Dibromo-3-Chloropropane	10.0	7.614	76	41 - 142	
1,2,4-Trichlorobenzene	10.0	9.187	92	46 - 150	
Hexachlorobutadiene	10.0	11.33	113	55 - 150	
Naphthalene	10.0	8.138	81	10 - 150	
1,2,3-Trichlorobenzene	10.0	9.087	91	10 - 150	
Surrogate	% Rec		Acceptance Limits		
4-Bromofluorobenzene	89		67 - 139		
Dibromofluoromethane	89		62 - 130		
Toluene-d8 (Surr)	94		70 - 130		
1,2-Dichloroethane-d4 (Surr)	77		50 - 134		

Quality Control Results

Client: CH2M Hill Constructors, Inc.

Job Number: 600-90241-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 600-132620

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	600-90491-F-1 MS	Analysis Batch:	600-132620	Instrument ID:	VOAMS06
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	J11108.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	04/21/2014 1255			Final Weight/Volume:	20 mL
Prep Date:	04/21/2014 1255				
Leach Date:	N/A				

MSD Lab Sample ID:	600-90491-G-1 MSD	Analysis Batch:	600-132620	Instrument ID:	VOAMS06
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	J11109.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	04/21/2014 1322			Final Weight/Volume:	20 mL
Prep Date:	04/21/2014 1322				
Leach Date:	N/A				

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Dichlorodifluoromethane	83	80	10 - 150	4	30		
Chloromethane	104	106	10 - 150	2	30		
Vinyl chloride	106	107	33 - 150	1	30		
Bromomethane	106	106	25 - 150	0	30		
Chloroethane	103	108	47 - 150	5	30		
Trichlorofluoromethane	103	104	43 - 150	1	30		
1,1-Dichloroethene	81	407	58 - 148	38	30	E 4	E 4 F2
trans-1,2-Dichloroethene	105	113	68 - 131	6	30		
Methyl tert-butyl ether	82	84	56 - 132	3	30		
Methylene Chloride	62	70	55 - 147	12	30		
cis-1,2-Dichloroethene	80	365	68 - 130	20	30	E 4	E 4
2-Butanone (MEK)	91	93	41 - 141	2	30		
Bromochloromethane	95	98	58 - 130	3	30		
Carbon tetrachloride	104	106	70 - 144	2	30		
Benzene	101	104	70 - 130	3	30		
1,2-Dichloroethane	88	95	67 - 134	7	30		
Trichloroethene	104	248	70 - 130	24	30	E 4	E 4
1,1,1-Trichloroethane	102	107	70 - 136	4	30		
1,1-Dichloroethane	93	145	70 - 140	18	30		F1
1,2-Dichloropropane	99	102	70 - 130	3	30		
2,2-Dichloropropane	101	103	64 - 149	2	30		
Dibromomethane	95	96	70 - 130	1	30		
Chloroform	95	99	70 - 130	4	30		
Bromodichloromethane	95	98	70 - 131	3	30		
2-Chloroethyl vinyl ether	172	3	10 - 150	193	30	F1	J F1 F2
1,1-Dichloropropene	101	103	70 - 137	2	30		
cis-1,3-Dichloropropene	87	93	57 - 130	8	30		
Toluene	104	106	70 - 130	1	30		
trans-1,3-Dichloropropene	81	90	60 - 130	10	30		
1,1,2-Trichloroethane	96	98	70 - 130	1	30		
Tetrachloroethene	111	182	47 - 150	22	30		F1
1,3-Dichloropropane	95	94	70 - 130	1	30		
Chlorodibromomethane	95	99	62 - 130	4	30		

Quality Control Results

Client: CH2M Hill Constructors, Inc.

Job Number: 600-90241-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 600-132620

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	600-90491-F-1 MS	Analysis Batch:	600-132620	Instrument ID:	VOAMS06
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	J11108.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	04/21/2014 1255			Final Weight/Volume:	20 mL
Prep Date:	04/21/2014 1255				
Leach Date:	N/A				

MSD Lab Sample ID:	600-90491-G-1 MSD	Analysis Batch:	600-132620	Instrument ID:	VOAMS06
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	J11109.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	04/21/2014 1322			Final Weight/Volume:	20 mL
Prep Date:	04/21/2014 1322				
Leach Date:	N/A				

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
1,2-Dibromoethane	95	99	67 - 130	4	30		
Chlorobenzene	105	107	69 - 130	1	30		
1,1,1,2-Tetrachloroethane	105	108	70 - 130	2	30		
Ethylbenzene	105	107	70 - 130	2	30		
m-Xylene & p-Xylene	106	108	70 - 130	1	30		
Xylenes, Total	104	107	70 - 130	2	30		
o-Xylene	102	105	70 - 130	3	30		
Styrene	97	99	70 - 130	2	30		
Bromoform	76	84	54 - 133	10	30		
Isopropylbenzene	97	100	65 - 132	3	30		
Bromobenzene	93	99	70 - 130	7	30		
1,2,3-Trichloropropane	81	91	48 - 136	12	30		
1,1,2,2-Tetrachloroethane	92	95	58 - 133	3	30		
N-Propylbenzene	97	102	69 - 130	5	30		
2-Chlorotoluene	97	101	70 - 130	4	30		
4-Chlorotoluene	88	93	70 - 130	5	30		
1,3,5-Trimethylbenzene	95	99	69 - 130	4	30		
tert-Butylbenzene	100	103	70 - 130	3	30		
p-Isopropyltoluene	99	103	70 - 130	5	30		
1,2,4-Trimethylbenzene	93	96	70 - 130	4	30		
sec-Butylbenzene	99	104	68 - 130	5	30		
1,3-Dichlorobenzene	94	99	70 - 130	5	30		
1,4-Dichlorobenzene	94	100	70 - 130	6	30		
1,2-Dichlorobenzene	93	99	70 - 130	6	30		
n-Butylbenzene	95	99	70 - 130	4	30		
1,2-Dibromo-3-Chloropropane	82	80	41 - 142	3	30		
1,2,4-Trichlorobenzene	91	96	46 - 150	5	30		
Hexachlorobutadiene	109	117	55 - 150	7	30		
Naphthalene	80	86	10 - 150	7	30		
1,2,3-Trichlorobenzene	90	97	10 - 150	8	30		
Surrogate	MS % Rec		MSD % Rec	Acceptance Limits			
4-Bromofluorobenzene	86		87	67 - 139			
Dibromofluoromethane	90		90	62 - 130			

Quality Control Results

Client: CH2M Hill Constructors, Inc.

Job Number: 600-90241-1

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Toluene-d8 (Surr)	97	95	70 - 130
1,2-Dichloroethane-d4 (Surr)	78	80	50 - 134

Quality Control Results

Client: CH2M Hill Constructors, Inc.

Job Number: 600-90241-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 600-132620

Method: 8260B
Preparation: 5030B

MS Lab Sample ID: 600-90491-F-1 MS
Client Matrix: Water
Dilution: 1.0
Analysis Date: 04/21/2014 1255
Prep Date: 04/21/2014 1255
Leach Date: N/A

Units: ug/L

MSD Lab Sample ID: 600-90491-G-1 MSD
Client Matrix: Water
Dilution: 1.0
Analysis Date: 04/21/2014 1322
Prep Date: 04/21/2014 1322
Leach Date: N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual	
Dichlorodifluoromethane	0.120	U	10.0	10.0	8.302	8.012	
Chloromethane	0.180	U	10.0	10.0	10.40	10.62	
Vinyl chloride	0.110	U	10.0	10.0	10.60	10.74	
Bromomethane	0.250	U	10.0	10.0	10.58	10.56	
Chloroethane	0.0800	U	10.0	10.0	10.33	10.81	
Trichlorofluoromethane	0.0800	U	10.0	10.0	10.32	10.42	
1,1-Dichloroethene	62.3		10.0	10.0	70.38	103.0	E 4 F2
trans-1,2-Dichloroethene	2.09		10.0	10.0	12.64	13.36	
Methyl tert-butyl ether	0.120	U	10.0	10.0	8.204	8.431	
Methylene Chloride	0.150	U	10.0	10.0	6.194	6.991	
cis-1,2-Dichloroethene	122		10.0	10.0	130.4	159.0	E 4
2-Butanone (MEK)	0.760	U	20.0	20.0	18.13	18.57	
Bromochloromethane	0.180	U	10.0	10.0	9.481	9.764	
Carbon tetrachloride	0.150	U	10.0	10.0	10.39	10.60	
Benzene	0.0854	J	10.0	10.0	10.15	10.45	
1,2-Dichloroethane	1.00		10.0	10.0	9.828	10.52	
Trichloroethene	43.4		10.0	10.0	53.81	68.17	E 4
1,1,1-Trichloroethane	0.150	U	10.0	10.0	10.21	10.66	
1,1-Dichloroethane	17.5		10.0	10.0	26.84	31.98	F1
1,2-Dichloropropane	0.160	U	10.0	10.0	9.862	10.20	
2,2-Dichloropropane	0.130	U	10.0	10.0	10.08	10.26	
Dibromomethane	0.520	U	10.0	10.0	9.475	9.593	
Chloroform	0.569	J	10.0	10.0	10.08	10.51	
Bromodichloromethane	0.160	U	10.0	10.0	9.465	9.794	
2-Chloroethyl vinyl ether	0.500	U	20.0	20.0	34.49	0.6563	J F1 F2
1,1-Dichloropropene	0.210	U	10.0	10.0	10.08	10.26	
cis-1,3-Dichloropropene	0.180	U	10.0	10.0	8.669	9.348	
Toluene	0.150	U	10.0	10.0	10.45	10.56	
trans-1,3-Dichloropropene	0.210	U	10.0	10.0	8.137	8.979	
1,1,2-Trichloroethane	0.947	J	10.0	10.0	10.55	10.70	
Tetrachloroethene	17.0		10.0	10.0	28.10	35.20	F1
1,3-Dichloropropane	0.220	U	10.0	10.0	9.462	9.414	
Chlorodibromomethane	0.150	U	10.0	10.0	9.465	9.864	
1,2-Dibromoethane	0.180	U	10.0	10.0	9.545	9.892	
Chlorobenzene	0.120	U	10.0	10.0	10.54	10.67	
1,1,1,2-Tetrachloroethane	0.180	U	10.0	10.0	10.54	10.75	
Ethylbenzene	0.110	U	10.0	10.0	10.46	10.70	
m-Xylene & p-Xylene	0.170	U	10.0	10.0	10.65	10.78	
Xylenes, Total	0.260	U	20.0	20.0	20.89	21.31	
o-Xylene	0.120	U	10.0	10.0	10.24	10.53	
Styrene	0.0700	U	10.0	10.0	9.706	9.917	
Bromoform	0.190	U	10.0	10.0	7.621	8.411	
Isopropylbenzene	0.180	U	10.0	10.0	9.674	9.992	

Quality Control Results

Client: CH2M Hill Constructors, Inc.

Job Number: 600-90241-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 600-132620**

**Method: 8260B
Preparation: 5030B**

MS Lab Sample ID: 600-90491-F-1 MS Units: ug/L
Client Matrix: Water
Dilution: 1.0
Analysis Date: 04/21/2014 1255
Prep Date: 04/21/2014 1255
Leach Date: N/A

MSD Lab Sample ID: 600-90491-G-1 MSD
Client Matrix: Water
Dilution: 1.0
Analysis Date: 04/21/2014 1322
Prep Date: 04/21/2014 1322
Leach Date: N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Bromobenzene	0.190	U	10.0	10.0	9.288	9.926
1,2,3-Trichloropropane	0.290	U	10.0	10.0	8.114	9.133
1,1,2,2-Tetrachloroethane	0.220	U	10.0	10.0	9.185	9.457
N-Propylbenzene	0.150	U	10.0	10.0	9.708	10.19
2-Chlorotoluene	0.130	U	10.0	10.0	9.696	10.10
4-Chlorotoluene	0.140	U	10.0	10.0	8.842	9.306
1,3,5-Trimethylbenzene	0.100	U	10.0	10.0	9.493	9.903
tert-Butylbenzene	0.0800	U	10.0	10.0	10.00	10.34
p-Isopropyltoluene	0.100	U	10.0	10.0	9.852	10.32
1,2,4-Trimethylbenzene	0.140	U	10.0	10.0	9.275	9.650
sec-Butylbenzene	0.120	U	10.0	10.0	9.925	10.40
1,3-Dichlorobenzene	0.130	U	10.0	10.0	9.442	9.924
1,4-Dichlorobenzene	0.110	U	10.0	10.0	9.399	10.00
1,2-Dichlorobenzene	0.100	U	10.0	10.0	9.272	9.862
n-Butylbenzene	0.160	U	10.0	10.0	9.550	9.924
1,2-Dibromo-3-Chloropropane	0.810	U	10.0	10.0	8.197	7.962
1,2,4-Trichlorobenzene	0.310	U	10.0	10.0	9.146	9.630
Hexachlorobutadiene	0.170	U	10.0	10.0	10.86	11.67
Naphthalene	0.320	U	10.0	10.0	8.006	8.582
1,2,3-Trichlorobenzene	0.570	U	10.0	10.0	8.955	9.670

DATA REPORTING QUALIFIERS

Client: CH2M Hill Constructors, Inc.

Job Number: 600-90241-1

Lab Section	Qualifier	Description
GC/MS VOA	B	Compound was found in the blank and sample.
	U	Indicates the analyte was analyzed for but not detected.
	F1	MS and/or MSD Recovery exceeds the control limits
	4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
	F2	MS/MSD RPD exceeds control limits
	E	Result exceeded calibration range.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Quality Control Results

Client: CH2M Hill Constructors, Inc.

Job Number: 600-90241-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:600-131850					
LCS 600-131850/3	Lab Control Sample	T	Water	8260B	
MB 600-131850/4	Method Blank	T	Water	8260B	
600-90229-F-19 MS	Matrix Spike	T	Water	8260B	
600-90229-F-19 MSD	Matrix Spike Duplicate	T	Water	8260B	
600-90241-2	ARTESIA-MW17C-04082014	T	Water	8260B	
Analysis Batch:600-131912					
LCS 600-131912/3	Lab Control Sample	T	Water	8260B	
LCSD 600-131912/4	Lab Control Sample Duplicate	T	Water	8260B	
MB 600-131912/5	Method Blank	T	Water	8260B	
600-90241-1	ARTESIA-TB01-04082014	T	Water	8260B	
600-90241-3DL	ARTESIA-MW12-04082014	T	Water	8260B	
600-90241-4	ARTESIA-MW18-04082014	T	Water	8260B	
600-90241-5	ARTESIA-MW21-04082014	T	Water	8260B	
600-90241-6	ARTESIA-MW31-04082014	T	Water	8260B	
600-90241-7	ARTESIA-MW25-04082014	T	Water	8260B	
600-90241-8	ARTESIA-MW26-04082014	T	Water	8260B	
600-90241-9	ARTESIA-DUP01-04082014	T	Water	8260B	
600-90241-10	ARTESIA-MW28-04082014	T	Water	8260B	
600-90241-11	ARTESIA-MW30-04082014	T	Water	8260B	
600-90241-12	ARTESIA-MW30-04082014 MS	T	Water	8260B	
600-90241-13	ARTESIA-MW30-04082014 MSD	T	Water	8260B	
600-90241-14	ARTESIA-MW32-04082014	T	Water	8260B	
600-90241-15	ARTESIA-EB01-04082014	T	Water	8260B	
600-90241-16	ARTESIA-MW33-04082014	T	Water	8260B	
Analysis Batch:600-132620					
LCS 600-132620/3	Lab Control Sample	T	Water	8260B	
MB 600-132620/4	Method Blank	T	Water	8260B	
600-90241-3	ARTESIA-MW12-04082014	T	Water	8260B	
600-90491-F-1 MS	Matrix Spike	T	Water	8260B	
600-90491-G-1 MSD	Matrix Spike Duplicate	T	Water	8260B	

Report Basis

T = Total

Quality Control Results

Client: CH2M Hill Constructors, Inc.

Job Number: 600-90241-1

Laboratory Chronicle

Lab ID: 600-90241-1

Client ID: ARTESIA-TB01-04082014

Sample Date/Time: 04/08/2014 07:00

Received Date/Time: 04/10/2014 10:41

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	600-90241-A-1		600-131912		04/12/2014 15:55	1	TAL HOU	WS1
A:8260B	600-90241-A-1		600-131912		04/12/2014 15:55	1	TAL HOU	WS1

Lab ID: 600-90241-2

Client ID: ARTESIA-MW17C-04082014

Sample Date/Time: 04/08/2014 08:30

Received Date/Time: 04/10/2014 10:41

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	600-90241-B-2		600-131850		04/11/2014 19:41	1	TAL HOU	WS1
A:8260B	600-90241-B-2		600-131850		04/11/2014 19:41	1	TAL HOU	WS1

Lab ID: 600-90241-3

Client ID: ARTESIA-MW12-04082014

Sample Date/Time: 04/08/2014 09:30

Received Date/Time: 04/10/2014 10:41

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	600-90241-B-3	DL	600-131912		04/12/2014 20:35	50	TAL HOU	WS1
A:8260B	600-90241-B-3	DL	600-131912		04/12/2014 20:35	50	TAL HOU	WS1
P:5030B	600-90241-A-3		600-132620		04/21/2014 12:28	5	TAL HOU	DT1
A:8260B	600-90241-A-3		600-132620		04/21/2014 12:28	5	TAL HOU	DT1

Lab ID: 600-90241-4

Client ID: ARTESIA-MW18-04082014

Sample Date/Time: 04/08/2014 10:15

Received Date/Time: 04/10/2014 10:41

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	600-90241-C-4		600-131912		04/12/2014 12:51	1	TAL HOU	WS1
A:8260B	600-90241-C-4		600-131912		04/12/2014 12:51	1	TAL HOU	WS1

Lab ID: 600-90241-5

Client ID: ARTESIA-MW21-04082014

Sample Date/Time: 04/08/2014 11:00

Received Date/Time: 04/10/2014 10:41

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	600-90241-B-5		600-131912		04/12/2014 15:26	1	TAL HOU	WS1
A:8260B	600-90241-B-5		600-131912		04/12/2014 15:26	1	TAL HOU	WS1

Lab ID: 600-90241-6

Client ID: ARTESIA-MW31-04082014

Sample Date/Time: 04/08/2014 12:10

Received Date/Time: 04/10/2014 10:41

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	600-90241-B-6		600-131912		04/12/2014 16:20	1	TAL HOU	WS1
A:8260B	600-90241-B-6		600-131912		04/12/2014 16:20	1	TAL HOU	WS1

Quality Control Results

Client: CH2M Hill Constructors, Inc.

Job Number: 600-90241-1

Laboratory Chronicle

Lab ID: 600-90241-7

Client ID: ARTESIA-MW25-04082014

Sample Date/Time: 04/08/2014 13:50

Received Date/Time: 04/10/2014 10:41

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	600-90241-B-7		600-131912		04/12/2014 16:45	1	TAL HOU	WS1
A:8260B	600-90241-B-7		600-131912		04/12/2014 16:45	1	TAL HOU	WS1

Lab ID: 600-90241-8

Client ID: ARTESIA-MW26-04082014

Sample Date/Time: 04/08/2014 15:05

Received Date/Time: 04/10/2014 10:41

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	600-90241-B-8		600-131912		04/12/2014 17:10	1	TAL HOU	WS1
A:8260B	600-90241-B-8		600-131912		04/12/2014 17:10	1	TAL HOU	WS1

Lab ID: 600-90241-9

Client ID: ARTESIA-DUP01-04082014

Sample Date/Time: 04/08/2014 17:00

Received Date/Time: 04/10/2014 10:41

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	600-90241-B-9		600-131912		04/12/2014 17:36	1	TAL HOU	WS1
A:8260B	600-90241-B-9		600-131912		04/12/2014 17:36	1	TAL HOU	WS1

Lab ID: 600-90241-10

Client ID: ARTESIA-MW28-04082014

Sample Date/Time: 04/08/2014 15:45

Received Date/Time: 04/10/2014 10:41

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	600-90241-B-10		600-131912		04/12/2014 18:01	1	TAL HOU	WS1
A:8260B	600-90241-B-10		600-131912		04/12/2014 18:01	1	TAL HOU	WS1

Lab ID: 600-90241-11

Client ID: ARTESIA-MW30-04082014

Sample Date/Time: 04/08/2014 16:40

Received Date/Time: 04/10/2014 10:41

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	600-90241-B-11		600-131912		04/12/2014 18:26	1	TAL HOU	WS1
A:8260B	600-90241-B-11		600-131912		04/12/2014 18:26	1	TAL HOU	WS1

Lab ID: 600-90241-12

Client ID: ARTESIA-MW30-04082014 MS

Sample Date/Time: 04/08/2014 16:40

Received Date/Time: 04/10/2014 10:41

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	600-90241-B-12		600-131912		04/12/2014 18:52	1	TAL HOU	WS1
A:8260B	600-90241-B-12		600-131912		04/12/2014 18:52	1	TAL HOU	WS1

Quality Control Results

Client: CH2M Hill Constructors, Inc.

Job Number: 600-90241-1

Laboratory Chronicle

Lab ID: 600-90241-13

Client ID: ARTESIA-MW30-04082014 MSD

Sample Date/Time: 04/08/2014 16:40

Received Date/Time: 04/10/2014 10:41

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	600-90241-B-13		600-131912		04/12/2014 13:43	1	TAL HOU	WS1
A:8260B	600-90241-B-13		600-131912		04/12/2014 13:43	1	TAL HOU	WS1

Lab ID: 600-90241-14

Client ID: ARTESIA-MW32-04082014

Sample Date/Time: 04/08/2014 17:25

Received Date/Time: 04/10/2014 10:41

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	600-90241-C-14		600-131912		04/12/2014 14:08	1	TAL HOU	WS1
A:8260B	600-90241-C-14		600-131912		04/12/2014 14:08	1	TAL HOU	WS1

Lab ID: 600-90241-15

Client ID: ARTESIA-EB01-04082014

Sample Date/Time: 04/08/2014 17:05

Received Date/Time: 04/10/2014 10:41

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	600-90241-C-15		600-131912		04/12/2014 14:34	1	TAL HOU	WS1
A:8260B	600-90241-C-15		600-131912		04/12/2014 14:34	1	TAL HOU	WS1

Lab ID: 600-90241-16

Client ID: ARTESIA-MW33-04082014

Sample Date/Time: 04/08/2014 17:50

Received Date/Time: 04/10/2014 10:41

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	600-90241-B-16		600-131912		04/12/2014 15:00	1	TAL HOU	WS1
A:8260B	600-90241-B-16		600-131912		04/12/2014 15:00	1	TAL HOU	WS1

Lab ID: MB

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	MB 600-131850/4		600-131850		04/11/2014 11:21	1	TAL HOU	WS1
A:8260B	MB 600-131850/4		600-131850		04/11/2014 11:21	1	TAL HOU	WS1
P:5030B	MB 600-131912/5		600-131912		04/12/2014 12:26	1	TAL HOU	WS1
A:8260B	MB 600-131912/5		600-131912		04/12/2014 12:26	1	TAL HOU	WS1
P:5030B	MB 600-132620/4		600-132620		04/21/2014 10:58	1	TAL HOU	DT1
A:8260B	MB 600-132620/4		600-132620		04/21/2014 10:58	1	TAL HOU	DT1

Quality Control Results

Client: CH2M Hill Constructors, Inc.

Job Number: 600-90241-1

Laboratory Chronicle

Lab ID: LCS

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	LCS 600-131850/3		600-131850		04/11/2014 09:49	1	TAL HOU	WS1
A:8260B	LCS 600-131850/3		600-131850		04/11/2014 09:49	1	TAL HOU	WS1
P:5030B	LCS 600-131912/3		600-131912		04/12/2014 10:43	1	TAL HOU	WS1
A:8260B	LCS 600-131912/3		600-131912		04/12/2014 10:43	1	TAL HOU	WS1
P:5030B	LCS 600-132620/3		600-132620		04/21/2014 10:05	1	TAL HOU	DT1
A:8260B	LCS 600-132620/3		600-132620		04/21/2014 10:05	1	TAL HOU	DT1

Lab ID: LCSD

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	LCSD 600-131912/4		600-131912		04/12/2014 11:10	1	TAL HOU	WS1
A:8260B	LCSD 600-131912/4		600-131912		04/12/2014 11:10	1	TAL HOU	WS1

Lab ID: MS

Client ID: N/A

Sample Date/Time: 04/08/2014 10:30

Received Date/Time: 04/09/2014 18:56

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	600-90229-F-19 MS		600-131850		04/11/2014 13:04	1	TAL HOU	WS1
A:8260B	600-90229-F-19 MS		600-131850		04/11/2014 13:04	1	TAL HOU	WS1
P:5030B	600-90491-F-1 MS		600-132620		04/21/2014 12:55	1	TAL HOU	DT1
A:8260B	600-90491-F-1 MS		600-132620		04/21/2014 12:55	1	TAL HOU	DT1

Lab ID: MSD

Client ID: N/A

Sample Date/Time: 04/08/2014 10:30

Received Date/Time: 04/09/2014 18:56

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	600-90229-F-19 MSD		600-131850		04/11/2014 13:29	1	TAL HOU	WS1
A:8260B	600-90229-F-19 MSD		600-131850		04/11/2014 13:29	1	TAL HOU	WS1
P:5030B	600-90491-G-1 MSD		600-132620		04/21/2014 13:22	1	TAL HOU	DT1
A:8260B	600-90491-G-1 MSD		600-132620		04/21/2014 13:22	1	TAL HOU	DT1

Lab References:

TAL HOU = TestAmerica Houston

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-90241-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
VOALCSGASPT_00056	04/14/14	04/07/14	Methanol, Lot V081313A	1 mL	VOARGASLCS_00001	25 uL	Bromomethane	50 ug/mL
							Chloroethane	50 ug/mL
							Chloromethane	50 ug/mL
							Dichlorodifluoromethane	50 ug/mL
							Trichlorofluoromethane	50 ug/mL
.VOARGASLCS_00001	02/28/15		RESTEK, Lot A093618		(Purchased Reagent)		Vinyl chloride	50 ug/mL
							Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Dichlorodifluoromethane	2000 ug/mL
VOALCSGASPT_00057	04/21/14	04/14/14	Methanol, Lot V022714A	1 mL	VOARGASLCS_00001	25 uL	Trichlorofluoromethane	2000 ug/mL
							Vinyl chloride	50 ug/mL
							Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
.VOARGASLCS_00001	02/28/15		RESTEK, Lot A093618		(Purchased Reagent)		Dichlorodifluoromethane	2000 ug/mL
							Trichlorofluoromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
							Bromomethane	100 ug/mL
							2-Chloroethyl vinyl ether	100 ug/mL
VOALCSPT_00027	04/14/14	03/31/14	Methanol, Lot V081313A	1 mL	VOAR2CEVELCS_00001 VOARKEONLCS_00001 VOARMegMixLcs_00001	50 uL 10 uL 25 uL	2-Butanone (MEK)	50 ug/mL
							1,1,1,2-Tetrachloroethane	50 ug/mL
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,1-Dichloropropene	50 ug/mL
							1,2,3-Trichlorobenzene	50 ug/mL
							1,2,3-Trichloropropane	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2,4-Trimethylbenzene	50 ug/mL
							1,2-Dibromo-3-Chloropropane	50 ug/mL
							1,2-Dibromoethane	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloropropane	50 ug/mL
							1,3,5-Trimethylbenzene	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							2,2-Dichloropropane	50 ug/mL
							2,2-Dichloropropane	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-90241-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Chlorotoluene	50 ug/mL
							4-Chlorotoluene	50 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chlorodibromomethane	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Dibromomethane	50 ug/mL
							Ethylbenzene	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Isopropylbenzene	50 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL
							N-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							p-Isopropyltoluene	50 ug/mL
							sec-Butylbenzene	50 ug/mL
							Styrene	50 ug/mL
							tert-Butylbenzene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							Trichloroethene	50 ug/mL
							Xylenes, Total	100 ug/mL
.VOAR2CBEVICS_00001	02/29/16		Restek, Lot A093471		(Purchased Reagent)		2-Chloroethyl vinyl ether	2000 ug/mL
.VOARKETONLCS_00001	02/29/16		Restek, Lot A093472		(Purchased Reagent)		2-Butanone (MEK)	10000 ug/mL
.VOARMegMixLcs_00001	02/29/16		Restek, Lot A093733		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	2000 ug/mL
							1,1,1-Trichloroethane	2000 ug/mL
							1,1,2,2-Tetrachloroethane	2000 ug/mL
							1,1,2-Trichloroethane	2000 ug/mL
							1,1-Dichloroethane	2000 ug/mL
							1,1-Dichloroethene	2000 ug/mL
							1,1-Dichloropropene	2000 ug/mL
							1,2,3-Trichlorobenzene	2000 ug/mL
							1,2,3-Trichloropropene	2000 ug/mL
							1,2,4-Trichlorobenzene	2000 ug/mL
							1,2,4-Trimethylbenzene	2000 ug/mL
							1,2-Dibromo-3-Chloropropane	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-90241-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
VOALCSPT_00028	04/28/14	04/14/14	Methanol, Lot V022714A	1 mL	VOAR2CEVELCS_00001 VOARKETONLCS_00001 VOARMegMixLcs_00001	50 uL 10 uL 25 uL	1,2-Dibromoethane	2000 ug/mL
							1,2-Dichlorobenzene	2000 ug/mL
							1,2-Dichloroethane	2000 ug/mL
							1,2-Dichloropropane	2000 ug/mL
							1,3,5-Trimethylbenzene	2000 ug/mL
							1,3-Dichlorobenzene	2000 ug/mL
							1,3-Dichloropropane	2000 ug/mL
							1,4-Dichlorobenzene	2000 ug/mL
							2,2-Dichloropropane	2000 ug/mL
							2-Chlorotoluene	2000 ug/mL
							4-Chlorotoluene	2000 ug/mL
							Benzene	2000 ug/mL
							Bromobenzene	2000 ug/mL
							Bromochloromethane	2000 ug/mL
							Bromodichloromethane	2000 ug/mL
							Bromoform	2000 ug/mL
							Carbon tetrachloride	2000 ug/mL
							Chlorobenzene	2000 ug/mL
							Chlorodibromomethane	2000 ug/mL
							Chloroform	2000 ug/mL
							cis-1,2-Dichloroethene	2000 ug/mL
							cis-1,3-Dichloropropene	2000 ug/mL
							Dibromomethane	2000 ug/mL
							Ethylbenzene	2000 ug/mL
							Hexachlorobutadiene	2000 ug/mL
							Isopropylbenzene	2000 ug/mL
							m-Xylene & p-Xylene	2000 ug/mL
							Methyl tert-butyl ether	2000 ug/mL
							Methylene Chloride	2000 ug/mL
							n-Butylbenzene	2000 ug/mL
							N-Propylbenzene	2000 ug/mL
							Naphthalene	2000 ug/mL
							o-Xylene	2000 ug/mL
							p-Isopropyltoluene	2000 ug/mL
							sec-Butylbenzene	2000 ug/mL
							Styrene	2000 ug/mL
							tert-Butylbenzene	2000 ug/mL
							Tetrachloroethene	2000 ug/mL
							Toluene	2000 ug/mL
							trans-1,2-Dichloroethene	2000 ug/mL
							trans-1,3-Dichloropropene	2000 ug/mL
							Trichloroethene	2000 ug/mL
							Xylenes, Total	4000 ug/mL
	04/28/14	04/14/14	Methanol, Lot V022714A	1 mL	VOAR2CEVELCS_00001 VOARKETONLCS_00001 VOARMegMixLcs_00001	50 uL 10 uL 25 uL	2-Chloroethyl vinyl ether	100 ug/mL
							2-Butanone (MEK)	100 ug/mL
							1,1,1,2-Tetrachloroethane	50 ug/mL
							1,1,1-Trichloroethane	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-90241-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,1-Dichloropropene	50 ug/mL
							1,2,3-Trichlorobenzene	50 ug/mL
							1,2,3-Trichloropropene	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2,4-Trimethylbenzene	50 ug/mL
							1,2-Dibromo-3-Chloropropene	50 ug/mL
							1,2-Dibromoethane	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloropropene	50 ug/mL
							1,3,5-Trimethylbenzene	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,3-Dichloropropene	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							2,2-Dichloropropene	50 ug/mL
							2-Chlorotoluene	50 ug/mL
							4-Chlorotoluene	50 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chlorodibromomethane	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Dibromomethane	50 ug/mL
							Ethylbenzene	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Isopropylbenzene	50 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL
							N-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							p-Isopropyltoluene	50 ug/mL
							sec-Butylbenzene	50 ug/mL
							Styrene	50 ug/mL
							tert-Butylbenzene	50 ug/mL
							Tetrachloroethene	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-90241-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.VOAR2CEVELCS_00001	02/29/16		Restek, Lot A093471		(Purchased Reagent)		Toluene	50 ug/mL
.VOARKETONLCS_00001	02/29/16		Restek, Lot A093472		(Purchased Reagent)		trans-1,2-Dichloroethene	50 ug/mL
.VOARMegMixLcs_00001	02/29/16		Restek, Lot A093733		(Purchased Reagent)		trans-1,3-Dichloropropene	50 ug/mL
							Trichloroethene	50 ug/mL
							Xylenes, Total	100 ug/mL
							2-Chloroethyl vinyl ether	2000 ug/mL
							2-Butanone (MEK)	10000 ug/mL
							1,1,1,2-Tetrachloroethane	2000 ug/mL
							1,1,1-Trichloroethane	2000 ug/mL
							1,1,2,2-Tetrachloroethane	2000 ug/mL
							1,1,2-Trichloroethane	2000 ug/mL
							1,1-Dichloroethane	2000 ug/mL
							1,1-Dichloroethene	2000 ug/mL
							1,1-Dichloropropene	2000 ug/mL
							1,2,3-Trichlorobenzene	2000 ug/mL
							1,2,3-Trichloropropene	2000 ug/mL
							1,2,4-Trichlorobenzene	2000 ug/mL
							1,2,4-Trimethylbenzene	2000 ug/mL
							1,2-Dibromo-3-Chloropropene	2000 ug/mL
							1,2-Dibromoethane	2000 ug/mL
							1,2-Dichlorobenzene	2000 ug/mL
							1,2-Dichloroethane	2000 ug/mL
							1,2-Dichloropropene	2000 ug/mL
							1,3,5-Trimethylbenzene	2000 ug/mL
							1,3-Dichlorobenzene	2000 ug/mL
							1,3-Dichloropropene	2000 ug/mL
							1,4-Dichlorobenzene	2000 ug/mL
							2,2-Dichloropropene	2000 ug/mL
							2-Chlorotoluene	2000 ug/mL
							4-Chlorotoluene	2000 ug/mL
							Benzene	2000 ug/mL
							Bromobenzene	2000 ug/mL
							Bromochloromethane	2000 ug/mL
							Bromodichloromethane	2000 ug/mL
							Bromoform	2000 ug/mL
							Carbon tetrachloride	2000 ug/mL
							Chlorobenzene	2000 ug/mL
							Chlorodibromomethane	2000 ug/mL
							Chloroform	2000 ug/mL
							cis-1,2-Dichloroethene	2000 ug/mL
							cis-1,3-Dichloropropene	2000 ug/mL
							Dibromomethane	2000 ug/mL
							Ethylbenzene	2000 ug/mL
							Hexachlorobutadiene	2000 ug/mL
							Isopropylbenzene	2000 ug/mL
							m-Xylene & p-Xylene	2000 ug/mL
							Methyl tert-butyl ether	2000 ug/mL
							Methylene Chloride	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-90241-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Butylbenzene	2000 ug/mL
							N-Propylbenzene	2000 ug/mL
							Naphthalene	2000 ug/mL
							o-Xylene	2000 ug/mL
							p-Isopropyltoluene	2000 ug/mL
							sec-Butylbenzene	2000 ug/mL
							Styrene	2000 ug/mL
							tert-Butylbenzene	2000 ug/mL
							Tetrachloroethene	2000 ug/mL
							Toluene	2000 ug/mL
							trans-1,2-Dichloroethene	2000 ug/mL
							trans-1,3-Dichloropropene	2000 ug/mL
							Trichloroethene	2000 ug/mL
							Xylenes, Total	4000 ug/mL
VOARIST_00002	02/28/18		Restek, Lot A093504		(Purchased Reagent)		1,4-Dichlorobenzene-d4	250 ug/mL
							1,4-Dioxane-d8	5000 ug/mL
							Chlorobenzene-d5	250 ug/mL
							Fluorobenzene	250 ug/mL
VOASS50PPM_00154	04/14/14	03/31/14	Methanol, Lot V081313A	1 mL	VOARSS_00002	20 uL	1,2-Dichloroethane-d4 (Surr)	50 ug/mL
							4-Bromofluorobenzene	50 ug/mL
							Dibromofluoromethane	50 ug/mL
							Toluene-d8 (Surr)	50 ug/mL
.VOARSS_00002	02/28/18		Restek, Lot A093505		(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene	2500 ug/mL
							Dibromofluoromethane	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL
VOASS50PPM_00155	04/28/14	04/14/14	Methanol, Lot V022714A	1 mL	VOARSS_00002	20 uL	1,2-Dichloroethane-d4 (Surr)	50 ug/mL
							4-Bromofluorobenzene	50 ug/mL
							Dibromofluoromethane	50 ug/mL
							Toluene-d8 (Surr)	50 ug/mL
.VOARSS_00002	02/28/18		Restek, Lot A093505		(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene	2500 ug/mL
							Dibromofluoromethane	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL
VOASTDGASPT_00051	03/09/14	03/02/14	Methanol, Lot V081313A	1 mL	VOARGAS_00002	25 uL	Bromomethane	50 ug/mL
							Butadiene	50 ug/mL
							Chloroethane	50 ug/mL
							Chloromethane	50 ug/mL
							Dichlorodifluoromethane	50 ug/mL
							Dichlorofluoromethane	50 ug/mL
							Trichlorofluoromethane	50 ug/mL
							Vinyl chloride	50 ug/mL
.VOARGAS_00002	02/28/15		RESTEK, Lot A093341		(Purchased Reagent)		Bromomethane	2000 ug/mL
							Butadiene	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-90241-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
VOASTDCASPT_00054	03/31/14	03/24/14	Methanol, Lot V081313A	1 mL	VOARGAS_00002	25 uL	Dichlorodifluoromethane	2000 ug/mL
							Dichlorofluoromethane	2000 ug/mL
							Trichlorofluoromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
							Bromomethane	50 ug/mL
.VOARGAS_00002	02/28/15		RESTEK, Lot A093341		(Purchased Reagent)		Butadiene	50 ug/mL
							Chloroethane	50 ug/mL
							Chloromethane	50 ug/mL
							Dichlorodifluoromethane	50 ug/mL
							Dichlorofluoromethane	50 ug/mL
							Trichlorofluoromethane	50 ug/mL
							Vinyl chloride	50 ug/mL
							Bromomethane	2000 ug/mL
							Butadiene	2000 ug/mL
							Chloroethane	2000 ug/mL
VOASTDCASPT_00056	04/14/14	04/07/14	Methanol, Lot V081313A	1 mL	VOARGAS_00002	25 uL	Bromomethane	50 ug/mL
							Chloroethane	50 ug/mL
							Chloromethane	50 ug/mL
							Dichlorodifluoromethane	50 ug/mL
							Trichlorofluoromethane	50 ug/mL
.VOARGAS_00002	02/28/15		RESTEK, Lot A093341		(Purchased Reagent)		Vinyl chloride	50 ug/mL
							Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Dichlorodifluoromethane	2000 ug/mL
VOASTDCASPT_00057	04/28/14	04/14/14	Methanol, Lot V022714A	1 mL	VOARGAS_00002	25 uL	Bromomethane	50 ug/mL
							Chloroethane	50 ug/mL
							Chloromethane	50 ug/mL
							Dichlorodifluoromethane	50 ug/mL
							Trichlorofluoromethane	50 ug/mL
.VOARGAS_00002	02/28/15		RESTEK, Lot A093341		(Purchased Reagent)		Vinyl chloride	50 ug/mL
							Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Dichlorodifluoromethane	2000 ug/mL
VOASTDPT_00027	03/16/14	03/02/14	Methanol, Lot V081313A	1 mL	VOAISOOCTA_00004 VOAR2CEVE_00001	25 uL 50 uL	Isooctane	50 ug/mL
							2-Chloroethyl vinyl ether	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-90241-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					VOARAcrolein_00007	50 uL	Acrolein	250 ug/mL
					VOARADDCOM_00002	25 uL	1,2,3-Trimethylbenzene	50 ug/mL
							1,3,5-Trichlorobenzene	50 ug/mL
							2-Chloro-1,3-butadiene	50 ug/mL
							2-Nitropropane	100 ug/mL
							Acetonitrile	500 ug/mL
							Benzyl chloride	50 ug/mL
							Ethanol	2500 ug/mL
							Ethyl acetate	100 ug/mL
							Ethyl acrylate	50 ug/mL
							Isopropyl alcohol	500 ug/mL
							Isopropyl ether	50 ug/mL
							Methacrylonitrile	500 ug/mL
							Methyl methacrylate	100 ug/mL
							n-Butanol	1250 ug/mL
							n-Butyl acetate	50 ug/mL
							Propionitrile	500 ug/mL
							Tert-amyl methyl ether	50 ug/mL
							Tert-butyl ethyl ether	50 ug/mL
					VOARCYCHONE_00001	125 uL	Cyclohexanone	2500 ug/mL
					VOARKETON_00001	10 uL	2-Butanone (MEK)	100 ug/mL
							2-Hexanone	100 ug/mL
							4-Methyl-2-pentanone (MIBK)	100 ug/mL
							Acetone	100 ug/mL
					VOARMegMix_00002	25 uL	1,1,1,2-Tetrachloroethane	50 ug/mL
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,1-Dichloropropene	50 ug/mL
							1,2,3-Trichlorobenzene	50 ug/mL
							1,2,3-Trichloropropane	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2,4-Trimethylbenzene	50 ug/mL
							1,2-Dibromo-3-Chloropropane	50 ug/mL
							1,2-Dibromoethane	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloropropane	50 ug/mL
							1,3,5-Trimethylbenzene	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,3-Dichloropropane	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							1,4-Dioxane	1000 ug/mL
							2,2-Dichloropropane	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-90241-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Chlorotoluene	50 ug/mL
							2-Methyl-2-propanol	500 ug/mL
							3-Chloro-1-propene	50 ug/mL
							4-Chlorotoluene	50 ug/mL
							Acrylonitrile	500 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chlorodibromomethane	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Cyclohexane	50 ug/mL
							Dibromomethane	50 ug/mL
							Ethyl ether	50 ug/mL
							Ethyl methacrylate	50 ug/mL
							Ethylbenzene	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Hexane	50 ug/mL
							Iodomethane	50 ug/mL
							Isobutyl alcohol	1250 ug/mL
							Isopropylbenzene	50 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methyl acetate	250 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylcyclohexane	50 ug/mL
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL
							n-Heptane	50 ug/mL
							N-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							p-Isopropyltoluene	50 ug/mL
							sec-Butylbenzene	50 ug/mL
							Styrene	50 ug/mL
							tert-Butylbenzene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Tetrahydrofuran	100 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							trans-1,4-Dichloro-2-butene	50 ug/mL
							Trichloroethene	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-90241-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.VOARISOCTA_00004	08/25/21		AccuStd, Lot 211081282		VOARNR2_00001	25 uL	Pentachloroethane	50 ug/mL
.VOAR2CEVE_00001	12/31/15		Restek, Lot A092294		VOARSS_00002	20 uL	1,2-Dichloroethane-d4 (Surr)	50 ug/mL
.VOARAcrolein_00007	05/31/14		Restek, Lot A0100485				4-Bromofluorobenzene	50 ug/mL
.VOARADDCOM_00002	08/31/14		Restek, Lot A093634				Dibromofluoromethane	50 ug/mL
					VOARVA_00001	25 uL	Toluene-d8 (Surr)	50 ug/mL
							Vinyl acetate	100 ug/mL
							Isooctane	2000 ug/mL
							2-Chloroethyl vinyl ether	2000 ug/mL
							Acrolein	5000 ug/mL
							1,2,3-Trimethylbenzene	2000 ug/mL
							1,3,5-Trichlorobenzene	2000 ug/mL
							2-Chloro-1,3-butadiene	2000 ug/mL
							2-Nitropropane	4000 ug/mL
							Acetonitrile	20000 ug/mL
							Benzyl chloride	2000 ug/mL
							Ethanol	100000 ug/mL
							Ethyl acetate	4000 ug/mL
							Ethyl acrylate	2000 ug/mL
							Isopropyl alcohol	20000 ug/mL
							Isopropyl ether	2000 ug/mL
							Methacrylonitrile	20000 ug/mL
							Methyl methacrylate	4000 ug/mL
							n-Butanol	50000 ug/mL
							n-Butyl acetate	2000 ug/mL
							Propionitrile	20000 ug/mL
							Tert-amyl methyl ether	2000 ug/mL
							Tert-butyl ethyl ether	2000 ug/mL
.VOARCYCHONE_00001	12/31/15		Restek, Lot A092211				Cyclohexanone	20000 ug/mL
.VOARKETON_00001	12/31/15		RESTEK, Lot A092220				2-Butanone (MEK)	10000 ug/mL
							2-Hexanone	10000 ug/mL
							4-Methyl-2-pentanone (MIBK)	10000 ug/mL
							Acetone	10000 ug/mL
.VOARMegMix_00002	02/29/16		Restek, Lot A093581				1,1,1,2-Tetrachloroethane	2000 ug/mL
							1,1,1-Trichloroethane	2000 ug/mL
							1,1,2,2-Tetrachloroethane	2000 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	2000 ug/mL
							1,1,2-Trichloroethane	2000 ug/mL
							1,1-Dichloroethane	2000 ug/mL
							1,1-Dichloroethene	2000 ug/mL
							1,1-Dichloropropene	2000 ug/mL
							1,2,3-Trichlorobenzene	2000 ug/mL
							1,2,3-Trichloropropane	2000 ug/mL
							1,2,4-Trichlorobenzene	2000 ug/mL
							1,2,4-Trimethylbenzene	2000 ug/mL
							1,2-Dibromo-3-Chloropropane	2000 ug/mL
							1,2-Dibromethane	2000 ug/mL
							1,2-Dichlorobenzene	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-90241-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichloroethane	2000 ug/mL
							1,2-Dichloropropane	2000 ug/mL
							1,3,5-Trimethylbenzene	2000 ug/mL
							1,3-Dichlorobenzene	2000 ug/mL
							1,3-Dichloropropane	2000 ug/mL
							1,4-Dichlorobenzene	2000 ug/mL
							1,4-Dioxane	40000 ug/mL
							2,2-Dichloropropane	2000 ug/mL
							2-Chlorotoluene	2000 ug/mL
							2-Methyl-2-propanol	20000 ug/mL
							3-Chloro-1-propene	2000 ug/mL
							4-Chlorotoluene	2000 ug/mL
							Acrylonitrile	20000 ug/mL
							Benzene	2000 ug/mL
							Bromobenzene	2000 ug/mL
							Bromochloromethane	2000 ug/mL
							Bromodichloromethane	2000 ug/mL
							Bromoform	2000 ug/mL
							Carbon disulfide	2000 ug/mL
							Carbon tetrachloride	2000 ug/mL
							Chlorobenzene	2000 ug/mL
							Chlorodibromomethane	2000 ug/mL
							Chloroform	2000 ug/mL
							cis-1,2-Dichloroethene	2000 ug/mL
							cis-1,3-Dichloropropene	2000 ug/mL
							Cyclohexane	2000 ug/mL
							Dibromomethane	2000 ug/mL
							Ethyl ether	2000 ug/mL
							Ethyl methacrylate	2000 ug/mL
							Ethylbenzene	2000 ug/mL
							Hexachlorobutadiene	2000 ug/mL
							Hexane	2000 ug/mL
							Iodomethane	2000 ug/mL
							Isobutyl alcohol	50000 ug/mL
							Isopropylbenzene	2000 ug/mL
							m-Xylene & p-Xylene	2000 ug/mL
							Methyl acetate	10000 ug/mL
							Methyl tert-butyl ether	2000 ug/mL
							Methylcyclohexane	2000 ug/mL
							Methylene Chloride	2000 ug/mL
							n-Butylbenzene	2000 ug/mL
							n-Heptane	2000 ug/mL
							N-Propylbenzene	2000 ug/mL
							Naphthalene	2000 ug/mL
							o-Xylene	2000 ug/mL
							p-Isopropyltoluene	2000 ug/mL
							sec-Butylbenzene	2000 ug/mL
							Styrene	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-90241-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							tert-Butylbenzene	2000 ug/mL
							Tetrachloroethene	2000 ug/mL
							Tetrahydrofuran	4000 ug/mL
							Toluene	2000 ug/mL
							trans-1,2-Dichloroethene	2000 ug/mL
							trans-1,3-Dichloropropene	2000 ug/mL
							trans-1,4-Dichloro-2-butene	2000 ug/mL
							Trichloroethene	2000 ug/mL
.VOARNR2_00001	02/28/15		Restek, Lot A093359		(Purchased Reagent)		Pentachloroethane	2000 ug/mL
.VOARSS_00002	02/28/18		Restek, Lot A093505		(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene	2500 ug/mL
							Dibromofluoromethane	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL
.VOARVA_00001	06/30/14		Restek, Lot A092212		(Purchased Reagent)		Vinyl acetate	4000 ug/mL
VOASTDPT_00028	03/30/14	03/16/14	Methanol, Lot V081313A	1 mL	VOAR2CEVE_00001	50 uL	2-Chloroethyl vinyl ether	100 ug/mL
					VOARAcrolein_00007	50 uL	Acrolein	250 ug/mL
					VOARADDCOM_00002	25 uL	1,2,3-Trimethylbenzene	50 ug/mL
							1,3,5-Trichlorobenzene	50 ug/mL
							2-Chloro-1,3-butadiene	50 ug/mL
							2-Nitropropane	100 ug/mL
							Acetonitrile	500 ug/mL
							Benzyl chloride	50 ug/mL
							Ethanol	2500 ug/mL
							Ethyl acetate	100 ug/mL
							Ethyl acrylate	50 ug/mL
							Isopropyl alcohol	500 ug/mL
							Isopropyl ether	50 ug/mL
							Methacrylonitrile	500 ug/mL
							Methyl methacrylate	100 ug/mL
							n-Butanol	1250 ug/mL
							n-Butyl acetate	50 ug/mL
							Propionitrile	500 ug/mL
							Tert-amyl methyl ether	50 ug/mL
							Tert-butyl ethyl ether	50 ug/mL
					VOARCYCHONE_00001	125 uL	Cyclohexanone	2500 ug/mL
					VOARKETON_00001	10 uL	2-Butanone (MEK)	100 ug/mL
							2-Hexanone	100 ug/mL
							4-Methyl-2-pentanone (MIBK)	100 ug/mL
							Acetone	100 ug/mL
					VOARMegMix_00002	25 uL	1,1,1,2-Tetrachloroethane	50 ug/mL
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,1-Dichloropropene	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-90241-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2,3-Trichlorobenzene	50 ug/mL
							1,2,3-Trichloropropane	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2,4-Trimethylbenzene	50 ug/mL
							1,2-Dibromo-3-Chloropropane	50 ug/mL
							1,2-Dibromoethane	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloropropane	50 ug/mL
							1,3,5-Trimethylbenzene	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,3-Dichloropropane	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							1,4-Dioxane	1000 ug/mL
							2,2-Dichloropropane	50 ug/mL
							2-Chlorotoluene	50 ug/mL
							2-Methyl-2-propanol	500 ug/mL
							3-Chloro-1-propene	50 ug/mL
							4-Chlorotoluene	50 ug/mL
							Acrylonitrile	500 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chlorodibromomethane	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Cyclohexane	50 ug/mL
							Dibromomethane	50 ug/mL
							Ethyl ether	50 ug/mL
							Ethyl methacrylate	50 ug/mL
							Ethylbenzene	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Hexane	50 ug/mL
							Iodomethane	50 ug/mL
							Isobutyl alcohol	1250 ug/mL
							Isopropylbenzene	50 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methyl acetate	250 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylcyclohexane	50 ug/mL
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-90241-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.VOAR2CRVE_00001 .VOARAcrolein_00007 .VOARADDCOM_00002					VOARSS_00002	20 uL	n-Heptane	50 ug/mL
							N-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							p-Isopropyltoluene	50 ug/mL
							sec-Butylbenzene	50 ug/mL
							Styrene	50 ug/mL
							tert-Butylbenzene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Tetrahydrofuran	100 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							trans-1,4-Dichloro-2-butene	50 ug/mL
							Trichloroethene	50 ug/mL
							1,2-Dichloroethane-d4 (Surr)	50 ug/mL
							4-Bromofluorobenzene	50 ug/mL
							Dibromofluoromethane	50 ug/mL
							Toluene-d8 (Surr)	50 ug/mL
							Vinyl acetate	100 ug/mL
.VOAR2CRVE_00001 .VOARAcrolein_00007 .VOARADDCOM_00002					VOARVA_00001	25 uL	2-Chloroethyl vinyl ether	2000 ug/mL
							Acrolein	5000 ug/mL
							1,2,3-Trimethylbenzene	2000 ug/mL
							1,3,5-Trichlorobenzene	2000 ug/mL
							2-Chloro-1,3-butadiene	2000 ug/mL
							2-Nitropropane	4000 ug/mL
							Acetonitrile	20000 ug/mL
							Benzyl chloride	2000 ug/mL
							Ethanol	100000 ug/mL
							Ethyl acetate	4000 ug/mL
							Ethyl acrylate	2000 ug/mL
							Isopropyl alcohol	20000 ug/mL
							Isopropyl ether	2000 ug/mL
							Methacrylonitrile	20000 ug/mL
							Methyl methacrylate	4000 ug/mL
							n-Butanol	50000 ug/mL
							n-Butyl acetate	2000 ug/mL
							Propionitrile	20000 ug/mL
							Tert-amyl methyl ether	2000 ug/mL
							Tert-butyl ethyl ether	2000 ug/mL
.VOARCYCHONE_00001 .VOARKETON_00001	12/31/15 12/31/15		Restek, Lot A092211 RESTEK, Lot A092220		(Purchased Reagent) (Purchased Reagent)		Cyclohexanone	20000 ug/mL
							2-Butanone (MEK)	10000 ug/mL
.VOARMegMix_00002	02/29/16		Restek, Lot A093581		(Purchased Reagent)		2-Hexanone	10000 ug/mL
							4-Methyl-2-pentanone (MIBK)	10000 ug/mL
							Acetone	10000 ug/mL
							1,1,1,2-Tetrachloroethane	2000 ug/mL
							1,1,1-Trichloroethane	2000 ug/mL
							1,1,2,2-Tetrachloroethane	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Houston

SDG No.:

Job No.: 600-90241-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1,2-Trichloro-1,2,2-trifluoroethane	2000 ug/mL
							1,1,2-Trichloroethane	2000 ug/mL
							1,1-Dichloroethane	2000 ug/mL
							1,1-Dichloroethene	2000 ug/mL
							1,1-Dichloropropene	2000 ug/mL
							1,2,3-Trichlorobenzene	2000 ug/mL
							1,2,3-Trichloropropene	2000 ug/mL
							1,2,4-Trichlorobenzene	2000 ug/mL
							1,2,4-Trimethylbenzene	2000 ug/mL
							1,2-Dibromo-3-Chloropropane	2000 ug/mL
							1,2-Dibromoethane	2000 ug/mL
							1,2-Dichlorobenzene	2000 ug/mL
							1,2-Dichloroethane	2000 ug/mL
							1,2-Dichloropropene	2000 ug/mL
							1,3,5-Trimethylbenzene	2000 ug/mL
							1,3-Dichlorobenzene	2000 ug/mL
							1,3-Dichloropropene	2000 ug/mL
							1,4-Dichlorobenzene	2000 ug/mL
							1,4-Dioxane	40000 ug/mL
							2,2-Dichloropropene	2000 ug/mL
							2-Chlorotoluene	2000 ug/mL
							2-Methyl-2-propanol	20000 ug/mL
							3-Chloro-1-propene	2000 ug/mL
							4-Chlorotoluene	2000 ug/mL
							Acrylonitrile	20000 ug/mL
							Benzene	2000 ug/mL
							Bromobenzene	2000 ug/mL
							Bromochloromethane	2000 ug/mL
							Bromodichloromethane	2000 ug/mL
							Bromoform	2000 ug/mL
							Carbon disulfide	2000 ug/mL
							Carbon tetrachloride	2000 ug/mL
							Chlorobenzene	2000 ug/mL
							Chlorodibromomethane	2000 ug/mL
							Chloroform	2000 ug/mL
							cis-1,2-Dichloroethene	2000 ug/mL
							cis-1,3-Dichloropropene	2000 ug/mL
							Cyclohexane	2000 ug/mL
							Dibromomethane	2000 ug/mL
							Ethyl ether	2000 ug/mL
							Ethyl methacrylate	2000 ug/mL
							Ethylbenzene	2000 ug/mL
							Hexachlorobutadiene	2000 ug/mL
							Hexane	2000 ug/mL
							Iodomethane	2000 ug/mL
							Isobutyl alcohol	50000 ug/mL
							Isopropylbenzene	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-90241-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.VOARSS_00002	02/28/18		Restek, Lot A093505		(Purchased Reagent)		m-Xylene & p-Xylene	2000 ug/mL
							Methyl acetate	10000 ug/mL
							Methyl tert-butyl ether	2000 ug/mL
							Methylcyclohexane	2000 ug/mL
							Methylene Chloride	2000 ug/mL
							n-Butylbenzene	2000 ug/mL
							n-Heptane	2000 ug/mL
							N-Propylbenzene	2000 ug/mL
							Naphthalene	2000 ug/mL
							o-Xylene	2000 ug/mL
							p-Isopropyltoluene	2000 ug/mL
							sec-Butylbenzene	2000 ug/mL
							Styrene	2000 ug/mL
							tert-Butylbenzene	2000 ug/mL
							Tetrachloroethene	2000 ug/mL
							Tetrahydrofuran	4000 ug/mL
							Toluene	2000 ug/mL
							trans-1,2-Dichloroethene	2000 ug/mL
							trans-1,3-Dichloropropene	2000 ug/mL
.VOARVA_00001	06/30/14	04/14/14	Restek, Lot A092212	1 mL	(Purchased Reagent)		trans-1,4-Dichloro-2-butene	2000 ug/mL
							Trichloroethene	2000 ug/mL
							1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene	2500 ug/mL
							Dibromofluoromethane	2500 ug/mL
VOARSTDPT_00029	04/14/14	03/31/14	Methanol, Lot V081313A				Toluene-d8 (Surr)	2500 ug/mL
							Vinyl acetate	4000 ug/mL
							2-Chloroethyl vinyl ether	100 ug/mL
							2-Butanone (MEK)	100 ug/mL
							1,1,1,2-Tetrachloroethane	50 ug/mL
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloropropene	50 ug/mL
							1,2,3-Trichlorobenzene	50 ug/mL
							1,2,3-Trichloropropene	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2,4-Trimethylbenzene	50 ug/mL
							1,2-Dibromo-3-Chloropropene	50 ug/mL
							1,2-Dibromoethane	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloropropene	50 ug/mL
							1,3,5-Trimethylbenzene	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,3-Dichloropropene	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-90241-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,4-Dichlorobenzene	50 ug/mL
							2,2-Dichloropropane	50 ug/mL
							2-Chlorotoluene	50 ug/mL
							4-Chlorotoluene	50 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chlorodibromomethane	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Dibromomethane	50 ug/mL
							Ethylbenzene	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Isopropylbenzene	50 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL
							N-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							p-Isopropyltoluene	50 ug/mL
							sec-Butylbenzene	50 ug/mL
							Styrene	50 ug/mL
							tert-Butylbenzene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							Trichloroethene	50 ug/mL
							Xylenes, Total	100 ug/mL
					VOARSS_00002	20 uL	1,2-Dichloroethane-d4 (Surr)	50 ug/mL
							4-Bromofluorobenzene	50 ug/mL
							Dibromofluoromethane	50 ug/mL
							Toluene-d8 (Surr)	50 ug/mL
.VOAR2CEVE_00001	12/31/15		Restek, Lot A092294		(Purchased Reagent)		2-Chloroethyl vinyl ether	2000 ug/mL
.VOARKETON_00001	12/31/15		RESTEK, Lot A092220		(Purchased Reagent)		2-Butanone (MPK)	10000 ug/mL
.VOARMegMix_00002	02/29/16		Restek, Lot A093581		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	2000 ug/mL
							1,1,1-Trichloroethane	2000 ug/mL
							1,1,2,2-Tetrachloroethane	2000 ug/mL
							1,1,2-Trichloroethane	2000 ug/mL
							1,1-Dichloroethane	2000 ug/mL
							1,1-Dichloroethene	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Houston

SDG No.:

Job No.: 600-90241-1

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1-Dichloropropene	2000 ug/mL
							1,2,3-Trichlorobenzene	2000 ug/mL
							1,2,3-Trichloropropene	2000 ug/mL
							1,2,4-Trichlorobenzene	2000 ug/mL
							1,2,4-Trimethylbenzene	2000 ug/mL
							1,2-Dibromo-3-Chloropropene	2000 ug/mL
							1,2-Dibromoethane	2000 ug/mL
							1,2-Dichlorobenzene	2000 ug/mL
							1,2-Dichloroethane	2000 ug/mL
							1,2-Dichloropropene	2000 ug/mL
							1,3,5-Trimethylbenzene	2000 ug/mL
							1,3-Dichlorobenzene	2000 ug/mL
							1,3-Dichloropropene	2000 ug/mL
							1,4-Dichlorobenzene	2000 ug/mL
							2,2-Dichloropropene	2000 ug/mL
							2-Chlorotoluene	2000 ug/mL
							4-Chlorotoluene	2000 ug/mL
							Benzene	2000 ug/mL
							Bromobenzene	2000 ug/mL
							Bromochloromethane	2000 ug/mL
							Bromodichloromethane	2000 ug/mL
							Bromoform	2000 ug/mL
							Carbon tetrachloride	2000 ug/mL
							Chlorobenzene	2000 ug/mL
							Chlorodibromomethane	2000 ug/mL
							Chloroform	2000 ug/mL
							cis-1,2-Dichloroethene	2000 ug/mL
							cis-1,3-Dichloropropene	2000 ug/mL
							Dibromomethane	2000 ug/mL
							Ethylbenzene	2000 ug/mL
							Hexachlorobutadiene	2000 ug/mL
							Isopropylbenzene	2000 ug/mL
							m-Xylene & p-Xylene	2000 ug/mL
							Methyl tert-butyl ether	2000 ug/mL
							Methylene Chloride	2000 ug/mL
							n-Butylbenzene	2000 ug/mL
							N-Propylbenzene	2000 ug/mL
							Naphthalene	2000 ug/mL
							o-Xylene	2000 ug/mL
							p-Isopropyltoluene	2000 ug/mL
							sec-Butylbenzene	2000 ug/mL
							Styrene	2000 ug/mL
							tert-Butylbenzene	2000 ug/mL
							Tetrachloroethene	2000 ug/mL
							Toluene	2000 ug/mL
							trans-1,2-Dichloroethene	2000 ug/mL
							trans-1,3-Dichloropropene	2000 ug/mL
							Trichloroethene	2000 ug/mL

Lab Name: TestAmerica Houston Job No.: 600-90241-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.VOARSS_00002	02/28/18		Restek, Lot A093505		(Purchased Reagent)		Xylenes, Total	4000 ug/mL
VOASTDPT_00030	04/28/14	04/14/14	Methanol, Lot V022714A	1 mL	VOAR2CEVE_00001	50 uL	2-Chloroethyl vinyl ether	100 ug/mL
					VOARKEFION_00001	10 uL	2-Butanone (MEK)	100 ug/mL
					VOARMegMix_00002	25 uL	1,1,1,2-Tetrachloroethane	50 ug/mL
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,1-Dichloropropene	50 ug/mL
							1,2,3-Trichlorobenzene	50 ug/mL
							1,2,3-Trichloropropene	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2,4-Trimethylbenzene	50 ug/mL
							1,2-Dibromo-3-Chloropropane	50 ug/mL
							1,2-Dibromoethane	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloropropene	50 ug/mL
							1,3,5-Trimethylbenzene	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,3-Dichloropropene	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							2,2-Dichloropropene	50 ug/mL
							2-Chlorotoluene	50 ug/mL
							4-Chlorotoluene	50 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
		Bromochloromethane	50 ug/mL					
		Bromodichloromethane	50 ug/mL					
		Bromoform	50 ug/mL					
		Carbon tetrachloride	50 ug/mL					
		Chlorobenzene	50 ug/mL					
		Chlorodibromomethane	50 ug/mL					
		Chloroform	50 ug/mL					
		cis-1,2-Dichloroethene	50 ug/mL					
		cis-1,3-Dichloropropene	50 ug/mL					
		Dibromomethane	50 ug/mL					
		Ethylbenzene	50 ug/mL					
		Hexachlorobutadiene	50 ug/mL					
		Isopropylbenzene	50 ug/mL					
		m-Xylene & p-Xylene	50 ug/mL					
		Methyl tert-butylether	50 ug/mL					

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-90241-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL
							N-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							p-Isopropyltoluene	50 ug/mL
							sec-Butylbenzene	50 ug/mL
							Styrene	50 ug/mL
							tert-Butylbenzene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							Trichloroethene	50 ug/mL
							Xylenes, Total	100 ug/mL
					VOARSS_00002	20 uL	1,2-Dichloroethane-d4 (Surr)	50 ug/mL
							4-Bromofluorobenzene	50 ug/mL
							Dibromofluoromethane	50 ug/mL
							Toluene-d8 (Surr)	50 ug/mL
.VOAR2CEVE_00001	12/31/15		Restek, Lot A092294		(Purchased Reagent)		2-Chloroethyl vinyl ether	2000 ug/mL
.VOARKETON_00001	12/31/15		RESTEK, Lot A092220		(Purchased Reagent)		2-Butanone (MEK)	10000 ug/mL
.VOARMegMix_00002	02/29/16		Restek, Lot A093581		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	2000 ug/mL
							1,1,1-Trichloroethane	2000 ug/mL
							1,1,2,2-Tetrachloroethane	2000 ug/mL
							1,1,2-Trichloroethane	2000 ug/mL
							1,1-Dichloroethane	2000 ug/mL
							1,1-Dichloroethene	2000 ug/mL
							1,1-Dichloropropene	2000 ug/mL
							1,2,3-Trichlorobenzene	2000 ug/mL
							1,2,3-Trichloropropene	2000 ug/mL
							1,2,4-Trichlorobenzene	2000 ug/mL
							1,2,4-Trimethylbenzene	2000 ug/mL
							1,2-Dibromo-3-Chloropropene	2000 ug/mL
							1,2-Dibromoethane	2000 ug/mL
							1,2-Dichlorobenzene	2000 ug/mL
							1,2-Dichloroethane	2000 ug/mL
							1,2-Dichloropropene	2000 ug/mL
							1,3,5-Trimethylbenzene	2000 ug/mL
							1,3-Dichlorobenzene	2000 ug/mL
							1,3-Dichloropropene	2000 ug/mL
							1,4-Dichlorobenzene	2000 ug/mL
							2,2-Dichloropropene	2000 ug/mL
							2-Chlorotoluene	2000 ug/mL
							4-Chlorotoluene	2000 ug/mL
							Benzene	2000 ug/mL
							Bromobenzene	2000 ug/mL
							Bromochloromethane	2000 ug/mL
							Bromodichloromethane	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-90241-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.VOARSS_00002	02/28/18		Restek, Lot A093505				Bromoform	2000 ug/mL
							Carbon tetrachloride	2000 ug/mL
							Chlorobenzene	2000 ug/mL
							Chlorodibromomethane	2000 ug/mL
							Chloroform	2000 ug/mL
							cis-1,2-Dichloroethene	2000 ug/mL
							cis-1,3-Dichloropropene	2000 ug/mL
							Dibromomethane	2000 ug/mL
							Ethylbenzene	2000 ug/mL
							Hexachlorobutadiene	2000 ug/mL
							Isopropylbenzene	2000 ug/mL
							m-Xylene & p-Xylene	2000 ug/mL
							Methyl tert-butyl ether	2000 ug/mL
							Methylene Chloride	2000 ug/mL
							n-Butylbenzene	2000 ug/mL
							N-Propylbenzene	2000 ug/mL
							Naphthalene	2000 ug/mL
							o-Xylene	2000 ug/mL
							p-Isopropyltoluene	2000 ug/mL
							sec-Butylbenzene	2000 ug/mL
							Styrene	2000 ug/mL
							tert-Butylbenzene	2000 ug/mL
							Tetrachloroethene	2000 ug/mL
							Toluene	2000 ug/mL
							trans-1,2-Dichloroethene	2000 ug/mL
							trans-1,3-Dichloropropene	2000 ug/mL
							Trichloroethene	2000 ug/mL
							Xylenes, Total	4000 ug/mL
							1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene	2500 ug/mL
							Dibromofluoromethane	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL

Certification Summary

Client: CH2M Hill Constructors, Inc.
Project/Site: Dowell - Artesia Groundwater

TestAmerica Job ID: 600-90241-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Houston	Arkansas DEQ	State Program	6	88-0759
TestAmerica Houston	Louisiana	NELAP	6	30643
TestAmerica Houston	Oklahoma	State Program	6	1309
TestAmerica Houston	Texas	NELAP	6	T104704223
TestAmerica Houston	USDA	Federal		P330-08-00217
TestAmerica Houston	Utah	NELAP	8	TX00083

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

8260B_LL

Volatile Organic Compounds (GC/MS)
by Method 8260B Low Level

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-90241-1

SDG No.: _____

Matrix: Water Level: Low

GC Column (1): DB-VRX 60 ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
ARTESIA-TB01-04082 014	600-90241-1	86	88	100	111
ARTESIA-MW17C-0408 2014	600-90241-2	74	72	99	114
ARTESIA-MW12-04082 014	600-90241-3	85	79	96	87
ARTESIA-MW12-04082 014 DL	600-90241-3 DL	93	94	110	114
ARTESIA-MW18-04082 014	600-90241-4	78	77	99	109
ARTESIA-MW21-04082 014	600-90241-5	87	89	103	113
ARTESIA-MW31-04082 014	600-90241-6	82	84	94	104
ARTESIA-MW25-04082 014	600-90241-7	87	89	94	106
ARTESIA-MW26-04082 014	600-90241-8	89	91	100	107
ARTESIA-DUP01-0408 2014	600-90241-9	88	89	97	100
ARTESIA-MW28-04082 014	600-90241-10	89	91	93	105
ARTESIA-MW30-04082 014	600-90241-11	90	94	94	105
ARTESIA-MW30-04082 014 MS	600-90241-12	88	89	90	99
ARTESIA-MW30-04082 014 MSD	600-90241-13	81	82	94	108
ARTESIA-MW32-04082 014	600-90241-14	82	82	100	107
ARTESIA-EB01-04082 014	600-90241-15	83	84	100	105
ARTESIA-MW33-04082 014	600-90241-16	86	86	102	107
	MB 600-131850/4	102	105	95	94
	MB 600-131912/5	75	72	101	109
	MB 600-132620/4	83	75	91	85
	LCS 600-131850/3	87	90	87	73
	LCS 600-131912/3	71	71	96	89
	LCS 600-132620/3	89	77	94	89
	LCSD 600-131912/4	74	75	96	92
	600-90229-F-19 MS	89	94	84	77
	600-90491-F-1 MS	90	78	97	86

QC LIMITS

DBFM = Dibromofluoromethane
DCA = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene

62-130
50-134
70-130
67-139

Column to be used to flag recovery values

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-90241-1
SDG No.: _____
Matrix: Water Level: Low
GC Column (1): DB-VRX 60 ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
	600-90229-F-19 MSD	86	90	83	77
	600-90491-G-1 MSD	90	80	95	87

	<u>QC LIMITS</u>
DBFM = Dibromofluoromethane	62-130
DCA = 1,2-Dichloroethane-d4 (Surr)	50-134
TOL = Toluene-d8 (Surr)	70-130
BFB = 4-Bromofluorobenzene	67-139

Column to be used to flag recovery values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-90241-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: C10102.D
 Lab ID: LCS 600-131850/3 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Dichlorodifluoromethane	10.0	9.379	94	10-150	
Chloromethane	10.0	10.54	105	10-150	
Vinyl chloride	10.0	11.18	112	33-150	
Bromomethane	10.0	11.72	117	25-150	
Chloroethane	10.0	9.508	95	47-150	
Trichlorofluoromethane	10.0	11.65	117	43-150	
1,1-Dichloroethene	10.0	8.346	83	58-148	
trans-1,2-Dichloroethene	10.0	9.899	99	68-131	
Methyl tert-butyl ether	10.0	10.43	104	56-132	
Methylene Chloride	10.0	10.59	106	55-147	
cis-1,2-Dichloroethene	10.0	10.17	102	68-130	
2-Butanone (MEK)	20.0	20.18	101	41-141	
Bromochloromethane	10.0	9.183	92	58-130	
Carbon tetrachloride	10.0	12.89	129	70-144	
Benzene	10.0	10.19	102	70-130	
1,2-Dichloroethane	10.0	11.97	120	67-134	
Trichloroethene	10.0	11.33	113	70-130	
1,1,1-Trichloroethane	10.0	12.84	128	70-136	
1,1-Dichloroethane	10.0	10.49	105	70-140	
1,2-Dichloropropane	10.0	9.884	99	70-130	
2,2-Dichloropropane	10.0	12.53	125	64-149	
Dibromomethane	10.0	10.64	106	70-130	
Chloroform	10.0	11.30	113	70-130	
Bromodichloromethane	10.0	11.39	114	70-131	
2-Chloroethyl vinyl ether	20.0	8.638	43	10-150	
1,1-Dichloropropene	10.0	12.25	123	70-137	
cis-1,3-Dichloropropene	10.0	10.10	101	57-130	
Toluene	10.0	10.90	109	70-130	
trans-1,3-Dichloropropene	10.0	10.23	102	60-130	
1,1,2-Trichloroethane	10.0	9.292	93	70-130	
Tetrachloroethene	10.0	11.21	112	47-150	
1,3-Dichloropropane	10.0	9.344	93	70-130	
Chlorodibromomethane	10.0	10.14	101	62-130	
1,2-Dibromoethane	10.0	9.653	97	67-130	
Chlorobenzene	10.0	10.04	100	69-130	
1,1,1,2-Tetrachloroethane	10.0	10.99	110	70-130	
Ethylbenzene	10.0	10.57	106	70-130	
m-Xylene & p-Xylene	10.0	10.57	106	70-130	
Xylenes, Total	20.0	21.73	109	70-130	
o-Xylene	10.0	11.16	112	70-130	
Styrene	10.0	9.370	94	70-130	
Bromoform	10.0	7.395	74	54-133	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-90241-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: C10102.D
 Lab ID: LCS 600-131850/3 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Isopropylbenzene	10.0	8.888	89	65-132	
Bromobenzene	10.0	8.080	81	70-130	
1,2,3-Trichloropropane	10.0	7.581	76	48-136	
1,1,2,2-Tetrachloroethane	10.0	6.891	69	58-133	
N-Propylbenzene	10.0	8.435	84	69-130	
2-Chlorotoluene	10.0	8.862	89	65-130	
4-Chlorotoluene	10.0	9.068	91	70-130	
1,3,5-Trimethylbenzene	10.0	8.928	89	69-130	
tert-Butylbenzene	10.0	9.100	91	70-130	
p-Isopropyltoluene	10.0	9.700	97	70-130	
1,2,4-Trimethylbenzene	10.0	8.969	90	70-130	
sec-Butylbenzene	10.0	9.978	100	68-130	
1,3-Dichlorobenzene	10.0	8.417	84	70-130	
1,4-Dichlorobenzene	10.0	8.265	83	70-130	
1,2-Dichlorobenzene	10.0	8.277	83	70-130	
n-Butylbenzene	10.0	9.415	94	70-130	
1,2-Dibromo-3-Chloropropane	10.0	7.410	74	41-142	
1,2,4-Trichlorobenzene	10.0	9.152	92	46-150	
Hexachlorobutadiene	10.0	10.62	106	55-150	
Naphthalene	10.0	7.483	75	10-150	
1,2,3-Trichlorobenzene	10.0	8.833	88	10-150	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-90241-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: C10202.D
 Lab ID: LCS 600-131912/3 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Dichlorodifluoromethane	10.0	8.053	81	10-150	
Chloromethane	10.0	7.572	76	10-150	
Vinyl chloride	10.0	10.05	101	33-150	
Bromomethane	10.0	10.38	104	25-150	
Chloroethane	10.0	9.493	95	47-150	
Trichlorofluoromethane	10.0	10.83	108	43-150	
1,1-Dichloroethene	10.0	6.913	69	58-148	
trans-1,2-Dichloroethene	10.0	8.787	88	68-131	
Methyl tert-butyl ether	10.0	8.651	87	56-132	
Methylene Chloride	10.0	8.456	85	55-147	
cis-1,2-Dichloroethene	10.0	8.780	88	68-130	
2-Butanone (MEK)	20.0	16.72	84	41-141	
Bromochloromethane	10.0	7.330	73	58-130	
Carbon tetrachloride	10.0	10.32	103	70-144	
Benzene	10.0	9.039	90	70-130	
1,2-Dichloroethane	10.0	9.182	92	67-134	
Trichloroethene	10.0	9.692	97	70-130	
1,1,1-Trichloroethane	10.0	10.43	104	70-136	
1,1-Dichloroethane	10.0	8.984	90	70-140	
1,2-Dichloropropane	10.0	8.601	86	70-130	
2,2-Dichloropropane	10.0	10.38	104	64-149	
Dibromomethane	10.0	8.293	83	70-130	
Chloroform	10.0	9.394	94	70-130	
Bromodichloromethane	10.0	9.221	92	70-131	
2-Chloroethyl vinyl ether	20.0	20.93	105	10-150	
1,1-Dichloropropene	10.0	10.52	105	70-137	
cis-1,3-Dichloropropene	10.0	10.63	106	57-130	
Toluene	10.0	11.87	119	70-130	
trans-1,3-Dichloropropene	10.0	10.68	107	60-130	
1,1,2-Trichloroethane	10.0	9.703	97	70-130	
Tetrachloroethene	10.0	11.77	118	47-150	
1,3-Dichloropropane	10.0	9.643	96	70-130	
Chlorodibromomethane	10.0	10.11	101	62-130	
1,2-Dibromoethane	10.0	9.881	99	67-130	
Chlorobenzene	10.0	10.87	109	69-130	
1,1,1,2-Tetrachloroethane	10.0	11.14	111	70-130	
Ethylbenzene	10.0	11.52	115	70-130	
m-Xylene & p-Xylene	10.0	11.42	114	70-130	
Xylenes, Total	20.0	23.29	116	70-130	
o-Xylene	10.0	11.87	119	70-130	
Styrene	10.0	9.772	98	70-130	
Bromoform	10.0	8.741	87	54-133	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-90241-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: C10202.D
 Lab ID: LCS 600-131912/3 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Isopropylbenzene	10.0	11.35	114	65-132	
Bromobenzene	10.0	10.11	101	70-130	
1,2,3-Trichloropropane	10.0	8.899	89	48-136	
1,1,2,2-Tetrachloroethane	10.0	8.185	82	58-133	
N-Propylbenzene	10.0	10.81	108	69-130	
2-Chlorotoluene	10.0	11.22	112	65-130	
4-Chlorotoluene	10.0	11.30	113	70-130	
1,3,5-Trimethylbenzene	10.0	11.12	111	69-130	
tert-Butylbenzene	10.0	11.35	114	70-130	
p-Isopropyltoluene	10.0	12.03	120	70-130	
1,2,4-Trimethylbenzene	10.0	11.05	111	70-130	
sec-Butylbenzene	10.0	12.53	125	68-130	
1,3-Dichlorobenzene	10.0	10.30	103	70-130	
1,4-Dichlorobenzene	10.0	10.09	101	70-130	
1,2-Dichlorobenzene	10.0	10.03	100	70-130	
n-Butylbenzene	10.0	11.56	116	70-130	
1,2-Dibromo-3-Chloropropane	10.0	8.552	86	41-142	
1,2,4-Trichlorobenzene	10.0	11.05	110	46-150	
Hexachlorobutadiene	10.0	12.46	125	55-150	
Naphthalene	10.0	10.16	102	10-150	
1,2,3-Trichlorobenzene	10.0	10.62	106	10-150	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-90241-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: J11102.D
 Lab ID: LCS 600-132620/3 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Dichlorodifluoromethane	10.0	8.512	85	10-150	
Chloromethane	10.0	10.73	107	10-150	
Vinyl chloride	10.0	11.08	111	33-150	
Bromomethane	10.0	10.76	108	25-150	
Chloroethane	10.0	10.25	102	47-150	
Trichlorofluoromethane	10.0	10.85	108	43-150	
1,1-Dichloroethene	10.0	10.61	106	58-148	
trans-1,2-Dichloroethene	10.0	10.19	102	68-131	
Methyl tert-butyl ether	10.0	8.143	81	56-132	
Methylene Chloride	10.0	7.057	71	55-147	
cis-1,2-Dichloroethene	10.0	9.869	99	68-130	
2-Butanone (MEK)	20.0	16.98	85	41-141	
Bromochloromethane	10.0	9.712	97	58-130	
Carbon tetrachloride	10.0	10.55	105	70-144	
Benzene	10.0	9.862	99	70-130	
1,2-Dichloroethane	10.0	9.082	91	67-134	
Trichloroethene	10.0	10.64	106	70-130	
1,1,1-Trichloroethane	10.0	10.30	103	70-136	
1,1-Dichloroethane	10.0	9.829	98	70-140	
1,2-Dichloropropane	10.0	9.439	94	70-130	
2,2-Dichloropropane	10.0	9.900	99	64-149	
Dibromomethane	10.0	9.477	95	70-130	
Chloroform	10.0	9.670	97	70-130	
Bromodichloromethane	10.0	9.326	93	70-131	
2-Chloroethyl vinyl ether	20.0	16.15	81	10-150	
1,1-Dichloropropene	10.0	9.868	99	70-137	
cis-1,3-Dichloropropene	10.0	9.164	92	57-130	
Toluene	10.0	10.33	103	70-130	
trans-1,3-Dichloropropene	10.0	8.695	87	60-130	
1,1,2-Trichloroethane	10.0	9.688	97	70-130	
Tetrachloroethene	10.0	11.28	113	47-150	
1,3-Dichloropropane	10.0	9.154	92	70-130	
Chlorodibromomethane	10.0	9.586	96	62-130	
1,2-Dibromoethane	10.0	9.428	94	67-130	
Chlorobenzene	10.0	10.18	102	69-130	
1,1,1,2-Tetrachloroethane	10.0	10.41	104	70-130	
Ethylbenzene	10.0	10.35	103	70-130	
m-Xylene & p-Xylene	10.0	10.55	105	70-130	
Xylenes, Total	20.0	20.70	104	70-130	
o-Xylene	10.0	10.15	101	70-130	
Styrene	10.0	9.823	98	70-130	
Bromoform	10.0	8.123	81	54-133	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-90241-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: J11102.D
 Lab ID: LCS 600-132620/3 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Isopropylbenzene	10.0	9.629	96	65-132	
Bromobenzene	10.0	9.445	94	70-130	
1,2,3-Trichloropropane	10.0	8.542	85	48-136	
1,1,2,2-Tetrachloroethane	10.0	9.194	92	58-133	
N-Propylbenzene	10.0	9.825	98	69-130	
2-Chlorotoluene	10.0	9.674	97	65-130	
4-Chlorotoluene	10.0	8.997	90	70-130	
1,3,5-Trimethylbenzene	10.0	9.472	95	69-130	
tert-Butylbenzene	10.0	10.02	100	70-130	
p-Isopropyltoluene	10.0	10.12	101	70-130	
1,2,4-Trimethylbenzene	10.0	9.447	94	70-130	
sec-Butylbenzene	10.0	9.988	100	68-130	
1,3-Dichlorobenzene	10.0	9.517	95	70-130	
1,4-Dichlorobenzene	10.0	9.549	95	70-130	
1,2-Dichlorobenzene	10.0	9.450	95	70-130	
n-Butylbenzene	10.0	9.756	98	70-130	
1,2-Dibromo-3-Chloropropane	10.0	7.614	76	41-142	
1,2,4-Trichlorobenzene	10.0	9.187	92	46-150	
Hexachlorobutadiene	10.0	11.33	113	55-150	
Naphthalene	10.0	8.138	81	10-150	
1,2,3-Trichlorobenzene	10.0	9.087	91	10-150	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-90241-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: C10203.D
Lab ID: LCSD 600-131912/4 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Dichlorodifluoromethane	10.0	7.292	73	10	20	10-150	
Chloromethane	10.0	6.904	69	9	20	10-150	
Vinyl chloride	10.0	9.383	94	7	20	33-150	
Bromomethane	10.0	9.349	93	10	20	25-150	
Chloroethane	10.0	9.086	91	4	20	47-150	
Trichlorofluoromethane	10.0	9.913	99	9	20	43-150	
1,1-Dichloroethene	10.0	6.436	64	7	20	58-148	
trans-1,2-Dichloroethene	10.0	8.097	81	8	20	68-131	
Methyl tert-butyl ether	10.0	9.435	94	9	20	56-132	
Methylene Chloride	10.0	8.403	84	1	20	55-147	
cis-1,2-Dichloroethene	10.0	8.372	84	5	20	68-130	
2-Butanone (MEK)	20.0	16.64	83	1	20	41-141	
Bromochloromethane	10.0	7.442	74	2	20	58-130	
Carbon tetrachloride	10.0	9.037	90	13	20	70-144	
Benzene	10.0	8.435	84	7	20	70-130	
1,2-Dichloroethane	10.0	9.199	92	0	20	67-134	
Trichloroethene	10.0	8.748	87	10	20	70-130	
1,1,1-Trichloroethane	10.0	9.352	94	11	20	70-136	
1,1-Dichloroethane	10.0	8.447	84	6	20	70-140	
1,2-Dichloropropane	10.0	8.479	85	1	20	70-130	
2,2-Dichloropropane	10.0	9.155	92	12	20	64-149	
Dibromomethane	10.0	8.463	85	2	20	70-130	
Chloroform	10.0	8.731	87	7	20	70-130	
Bromodichloromethane	10.0	9.131	91	1	20	70-131	
2-Chloroethyl vinyl ether	20.0	25.47	127	20	20	10-150	
1,1-Dichloropropene	10.0	9.418	94	11	20	70-137	
cis-1,3-Dichloropropene	10.0	10.61	106	0	20	57-130	
Toluene	10.0	10.81	108	9	20	70-130	
trans-1,3-Dichloropropene	10.0	10.95	109	2	20	60-130	
1,1,2-Trichloroethane	10.0	9.887	99	2	20	70-130	
Tetrachloroethene	10.0	10.59	106	11	20	47-150	
1,3-Dichloropropane	10.0	10.00	100	4	20	70-130	
Chlorodibromomethane	10.0	10.30	103	2	20	62-130	
1,2-Dibromoethane	10.0	10.45	104	6	20	67-130	
Chlorobenzene	10.0	10.29	103	6	20	69-130	
1,1,1,2-Tetrachloroethane	10.0	10.69	107	4	20	70-130	
Ethylbenzene	10.0	10.58	106	9	20	70-130	
m-Xylene & p-Xylene	10.0	10.57	106	8	20	70-130	
Xylenes, Total	20.0	21.62	108	7	20	70-130	
o-Xylene	10.0	11.05	110	7	20	70-130	
Styrene	10.0	9.484	95	3	20	70-130	
Bromoform	10.0	9.074	91	4	20	54-133	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-90241-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: C10203.D
 Lab ID: LCSD 600-131912/4 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Isopropylbenzene	10.0	10.12	101	12	20	65-132	
Bromobenzene	10.0	9.779	98	3	20	70-130	
1,2,3-Trichloropropane	10.0	9.223	92	4	20	48-136	
1,1,2,2-Tetrachloroethane	10.0	8.880	89	8	20	58-133	
N-Propylbenzene	10.0	9.558	96	12	20	69-130	
2-Chlorotoluene	10.0	10.22	102	9	20	65-130	
4-Chlorotoluene	10.0	10.43	104	8	20	70-130	
1,3,5-Trimethylbenzene	10.0	9.908	99	11	20	69-130	
tert-Butylbenzene	10.0	10.06	101	12	20	70-130	
p-Isopropyltoluene	10.0	10.61	106	13	20	70-130	
1,2,4-Trimethylbenzene	10.0	9.998	100	10	20	70-130	
sec-Butylbenzene	10.0	10.96	110	13	20	68-130	
1,3-Dichlorobenzene	10.0	9.734	97	6	20	70-130	
1,4-Dichlorobenzene	10.0	9.637	96	5	20	70-130	
1,2-Dichlorobenzene	10.0	9.933	99	1	20	70-130	
n-Butylbenzene	10.0	10.16	102	13	20	70-130	
1,2-Dibromo-3-Chloropropane	10.0	9.433	94	10	20	41-142	
1,2,4-Trichlorobenzene	10.0	11.86	119	7	20	46-150	
Hexachlorobutadiene	10.0	10.68	107	15	20	55-150	
Naphthalene	10.0	11.12	111	9	20	10-150	
1,2,3-Trichlorobenzene	10.0	12.02	120	12	20	10-150	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-90241-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: C10109.D
Lab ID: 600-90229-F-19 MS Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Dichlorodifluoromethane	10.0	0.120 U	7.732	77	10-150	
Chloromethane	10.0	0.180 U	9.219	92	10-150	
Vinyl chloride	10.0	0.110 U	9.337	93	33-150	
Bromomethane	10.0	0.250 U	10.15	102	25-150	
Chloroethane	10.0	0.0800 U	8.599	86	47-150	
Trichlorofluoromethane	10.0	0.0800 U	10.19	102	43-150	
1,1-Dichloroethene	10.0	0.190 U	7.078	71	58-148	
trans-1,2-Dichloroethene	10.0	0.0900 U	8.582	86	68-131	
Methyl tert-butyl ether	10.0	0.120 U	9.345	93	56-132	
Methylene Chloride	10.0	0.150 U	8.698	87	55-147	
cis-1,2-Dichloroethene	10.0	0.0600 U	8.800	88	68-130	
2-Butanone (MEK)	20.0	0.760 U	18.47	92	41-141	
Bromochloromethane	10.0	0.180 U	8.224	82	58-130	
Carbon tetrachloride	10.0	0.150 U	11.14	111	70-144	
Benzene	10.0	0.0800 U	8.890	89	70-130	
1,2-Dichloroethane	10.0	0.140 U	10.40	104	67-134	
Trichloroethene	10.0	0.180 U	9.760	98	70-130	
1,1,1-Trichloroethane	10.0	0.150 U	11.09	111	70-136	
1,1-Dichloroethane	10.0	0.678 J	9.741	91	70-140	
1,2-Dichloropropane	10.0	0.160 U	8.685	87	70-130	
2,2-Dichloropropane	10.0	0.130 U	10.76	108	64-149	
Dibromomethane	10.0	0.520 U	9.591	96	70-130	
Chloroform	10.0	0.130 U	10.06	101	70-130	
Bromodichloromethane	10.0	0.160 U	10.22	102	70-131	
2-Chloroethyl vinyl ether	20.0	0.500 U	3.404	17	10-150	
1,1-Dichloropropene	10.0	0.210 U	10.12	101	70-137	
cis-1,3-Dichloropropene	10.0	0.180 U	8.444	84	57-130	
Toluene	10.0	0.150 U	9.003	90	70-130	
trans-1,3-Dichloropropene	10.0	0.210 U	8.587	86	60-130	
1,1,2-Trichloroethane	10.0	0.280 U	7.835	78	70-130	
Tetrachloroethene	10.0	0.130 U	9.132	91	47-150	
1,3-Dichloropropane	10.0	0.220 U	7.980	80	70-130	
Chlorodibromomethane	10.0	0.150 U	8.642	86	62-130	
1,2-Dibromoethane	10.0	0.180 U	8.126	81	67-130	
Chlorobenzene	10.0	0.120 U	8.433	84	69-130	
1,1,1,2-Tetrachloroethane	10.0	0.180 U	9.087	91	70-130	
Ethylbenzene	10.0	0.110 U	8.865	89	70-130	
m-Xylene & p-Xylene	10.0	0.170 U	8.792	88	70-130	
Xylenes, Total	20.0	0.260 U	18.21	91	70-130	
o-Xylene	10.0	0.120 U	9.414	94	70-130	
Styrene	10.0	0.0700 U	7.623	76	70-130	
Bromoform	10.0	0.190 U	6.825	68	54-133	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-90241-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: C10109.D
 Lab ID: 600-90229-F-19 MS Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Isopropylbenzene	10.0	0.180 U	7.896	79	65-132	
Bromobenzene	10.0	0.190 U	7.157	72	70-130	
1,2,3-Trichloropropane	10.0	0.290 U	6.902	69	48-136	
1,1,2,2-Tetrachloroethane	10.0	0.220 U	6.067	61	58-133	
N-Propylbenzene	10.0	0.150 U	7.492	75	69-130	
2-Chlorotoluene	10.0	0.130 U	7.858	79	70-130	
4-Chlorotoluene	10.0	0.140 U	7.993	80	70-130	
1,3,5-Trimethylbenzene	10.0	0.100 U	7.837	78	69-130	
tert-Butylbenzene	10.0	0.0800 U	8.033	80	70-130	
p-Isopropyltoluene	10.0	0.100 U	8.457	85	70-130	
1,2,4-Trimethylbenzene	10.0	0.140 U	7.854	79	70-130	
sec-Butylbenzene	10.0	0.120 U	8.699	87	68-130	
1,3-Dichlorobenzene	10.0	0.130 U	7.336	73	70-130	
1,4-Dichlorobenzene	10.0	0.110 U	7.310	73	70-130	
1,2-Dichlorobenzene	10.0	0.100 U	7.212	72	70-130	
n-Butylbenzene	10.0	0.160 U	8.063	81	70-130	
1,2-Dibromo-3-Chloropropane	10.0	0.810 U	6.266	63	41-142	
1,2,4-Trichlorobenzene	10.0	0.310 U	6.838	68	46-150	
Hexachlorobutadiene	10.0	0.170 U	8.331	83	55-150	
Naphthalene	10.0	0.673 J	4.052	34	10-150	
1,2,3-Trichlorobenzene	10.0	0.570 U	6.233	62	10-150	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-90241-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: J11108.D
Lab ID: 600-90491-F-1 MS Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Dichlorodifluoromethane	10.0	0.120 U	8.302	83	10-150	
Chloromethane	10.0	0.180 U	10.40	104	10-150	
Vinyl chloride	10.0	0.110 U	10.60	106	33-150	
Bromomethane	10.0	0.250 U	10.58	106	25-150	
Chloroethane	10.0	0.0800 U	10.33	103	47-150	
Trichlorofluoromethane	10.0	0.0800 U	10.32	103	43-150	
1,1-Dichloroethene	10.0	62.3	70.38	81	58-148	E 4
trans-1,2-Dichloroethene	10.0	2.09	12.64	105	68-131	
Methyl tert-butyl ether	10.0	0.120 U	8.204	82	56-132	
Methylene Chloride	10.0	0.150 U	6.194	62	55-147	
cis-1,2-Dichloroethene	10.0	122	130.4	80	68-130	E 4
2-Butanone (MEK)	20.0	0.760 U	18.13	91	41-141	
Bromochloromethane	10.0	0.180 U	9.481	95	58-130	
Carbon tetrachloride	10.0	0.150 U	10.39	104	70-144	
Benzene	10.0	0.0854 J	10.15	101	70-130	
1,2-Dichloroethane	10.0	1.00	9.828	88	67-134	
Trichloroethene	10.0	43.4	53.81	104	70-130	E 4
1,1,1-Trichloroethane	10.0	0.150 U	10.21	102	70-136	
1,1-Dichloroethane	10.0	17.5	26.84	93	70-140	
1,2-Dichloropropane	10.0	0.160 U	9.862	99	70-130	
2,2-Dichloropropane	10.0	0.130 U	10.08	101	64-149	
Dibromomethane	10.0	0.520 U	9.475	95	70-130	
Chloroform	10.0	0.569 J	10.08	95	70-130	
Bromodichloromethane	10.0	0.160 U	9.465	95	70-131	
2-Chloroethyl vinyl ether	20.0	0.500 U	34.49	172	10-150	F1
1,1-Dichloropropene	10.0	0.210 U	10.08	101	70-137	
cis-1,3-Dichloropropene	10.0	0.180 U	8.669	87	57-130	
Toluene	10.0	0.150 U	10.45	104	70-130	
trans-1,3-Dichloropropene	10.0	0.210 U	8.137	81	60-130	
1,1,2-Trichloroethane	10.0	0.947 J	10.55	96	70-130	
Tetrachloroethene	10.0	17.0	28.10	111	47-150	
1,3-Dichloropropane	10.0	0.220 U	9.462	95	70-130	
Chlorodibromomethane	10.0	0.150 U	9.465	95	62-130	
1,2-Dibromoethane	10.0	0.180 U	9.545	95	67-130	
Chlorobenzene	10.0	0.120 U	10.54	105	69-130	
1,1,1,2-Tetrachloroethane	10.0	0.180 U	10.54	105	70-130	
Ethylbenzene	10.0	0.110 U	10.46	105	70-130	
m-Xylene & p-Xylene	10.0	0.170 U	10.65	106	70-130	
Xylenes, Total	20.0	0.260 U	20.89	104	70-130	
o-Xylene	10.0	0.120 U	10.24	102	70-130	
Styrene	10.0	0.0700 U	9.706	97	70-130	
Bromoform	10.0	0.190 U	7.621	76	54-133	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-90241-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: J11108.D
 Lab ID: 600-90491-F-1 MS Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Isopropylbenzene	10.0	0.180 U	9.674	97	65-132	
Bromobenzene	10.0	0.190 U	9.288	93	70-130	
1,2,3-Trichloropropane	10.0	0.290 U	8.114	81	48-136	
1,1,2,2-Tetrachloroethane	10.0	0.220 U	9.185	92	58-133	
N-Propylbenzene	10.0	0.150 U	9.708	97	69-130	
2-Chlorotoluene	10.0	0.130 U	9.696	97	70-130	
4-Chlorotoluene	10.0	0.140 U	8.842	88	70-130	
1,3,5-Trimethylbenzene	10.0	0.100 U	9.493	95	69-130	
tert-Butylbenzene	10.0	0.0800 U	10.00	100	70-130	
p-Isopropyltoluene	10.0	0.100 U	9.852	99	70-130	
1,2,4-Trimethylbenzene	10.0	0.140 U	9.275	93	70-130	
sec-Butylbenzene	10.0	0.120 U	9.925	99	68-130	
1,3-Dichlorobenzene	10.0	0.130 U	9.442	94	70-130	
1,4-Dichlorobenzene	10.0	0.110 U	9.399	94	70-130	
1,2-Dichlorobenzene	10.0	0.100 U	9.272	93	70-130	
n-Butylbenzene	10.0	0.160 U	9.550	95	70-130	
1,2-Dibromo-3-Chloropropane	10.0	0.810 U	8.197	82	41-142	
1,2,4-Trichlorobenzene	10.0	0.310 U	9.146	91	46-150	
Hexachlorobutadiene	10.0	0.170 U	10.86	109	55-150	
Naphthalene	10.0	0.320 U	8.006	80	10-150	
1,2,3-Trichlorobenzene	10.0	0.570 U	8.955	90	10-150	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-90241-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: C10110.D
Lab ID: 600-90229-F-19 MSD Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Dichlorodifluoromethane	10.0	7.430	74	4	30	10-150	
Chloromethane	10.0	8.885	89	4	30	10-150	
Vinyl chloride	10.0	9.374	94	0	30	33-150	
Bromomethane	10.0	9.110	91	11	30	25-150	
Chloroethane	10.0	8.064	81	6	30	47-150	
Trichlorofluoromethane	10.0	9.678	97	5	30	43-150	
1,1-Dichloroethene	10.0	6.861	69	3	30	58-148	
trans-1,2-Dichloroethene	10.0	8.463	85	1	30	68-131	
Methyl tert-butyl ether	10.0	10.07	101	7	30	56-132	
Methylene Chloride	10.0	8.244	82	5	30	55-147	
cis-1,2-Dichloroethene	10.0	8.548	85	3	30	68-130	
2-Butanone (MEK)	20.0	18.48	92	0	30	41-141	
Bromochloromethane	10.0	8.130	81	1	30	58-130	
Carbon tetrachloride	10.0	10.09	101	10	30	70-144	
Benzene	10.0	8.525	85	4	30	70-130	
1,2-Dichloroethane	10.0	10.06	101	3	30	67-134	
Trichloroethene	10.0	9.160	92	6	30	70-130	
1,1,1-Trichloroethane	10.0	10.25	102	8	30	70-136	
1,1-Dichloroethane	10.0	9.313	86	4	30	70-140	
1,2-Dichloropropane	10.0	8.592	86	1	30	70-130	
2,2-Dichloropropane	10.0	9.947	99	8	30	64-149	
Dibromomethane	10.0	9.280	93	3	30	70-130	
Chloroform	10.0	9.426	94	7	30	70-130	
Bromodichloromethane	10.0	9.876	99	3	30	70-131	
2-Chloroethyl vinyl ether	20.0	3.409	17	0	30	10-150	
1,1-Dichloropropene	10.0	9.703	97	4	30	70-137	
cis-1,3-Dichloropropene	10.0	8.512	85	1	30	57-130	
Toluene	10.0	8.729	87	3	30	70-130	
trans-1,3-Dichloropropene	10.0	9.029	90	5	30	60-130	
1,1,2-Trichloroethane	10.0	8.350	83	6	30	70-130	
Tetrachloroethene	10.0	8.716	87	5	30	47-150	
1,3-Dichloropropane	10.0	8.308	83	4	30	70-130	
Chlorodibromomethane	10.0	8.919	89	3	30	62-130	
1,2-Dibromoethane	10.0	8.599	86	6	30	67-130	
Chlorobenzene	10.0	8.313	83	1	30	69-130	
1,1,1,2-Tetrachloroethane	10.0	9.000	90	1	30	70-130	
Ethylbenzene	10.0	8.529	85	4	30	70-130	
m-Xylene & p-Xylene	10.0	8.569	86	3	30	70-130	
Xylenes, Total	20.0	17.71	89	3	30	70-130	
o-Xylene	10.0	9.140	91	3	30	70-130	
Styrene	10.0	7.790	78	2	30	70-130	
Bromoform	10.0	7.173	72	5	30	54-133	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-90241-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: C10110.D
 Lab ID: 600-90229-F-19 MSD Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Isopropylbenzene	10.0	7.726	77	2	30	65-132	
Bromobenzene	10.0	7.411	74	3	30	70-130	
1,2,3-Trichloropropane	10.0	7.596	76	10	30	48-136	
1,1,2,2-Tetrachloroethane	10.0	6.936	69	13	30	58-133	
N-Propylbenzene	10.0	7.435	74	1	30	69-130	
2-Chlorotoluene	10.0	7.741	77	1	30	70-130	
4-Chlorotoluene	10.0	7.970	80	0	30	70-130	
1,3,5-Trimethylbenzene	10.0	7.751	78	1	30	69-130	
tert-Butylbenzene	10.0	7.811	78	3	30	70-130	
p-Isopropyltoluene	10.0	8.207	82	3	30	70-130	
1,2,4-Trimethylbenzene	10.0	7.818	78	0	30	70-130	
sec-Butylbenzene	10.0	8.515	85	2	30	68-130	
1,3-Dichlorobenzene	10.0	7.512	75	2	30	70-130	
1,4-Dichlorobenzene	10.0	7.503	75	3	30	70-130	
1,2-Dichlorobenzene	10.0	7.744	77	7	30	70-130	
n-Butylbenzene	10.0	7.993	80	1	30	70-130	
1,2-Dibromo-3-Chloropropane	10.0	7.556	76	19	30	41-142	
1,2,4-Trichlorobenzene	10.0	8.708	87	24	30	46-150	
Hexachlorobutadiene	10.0	8.635	86	4	30	55-150	
Naphthalene	10.0	6.990	63	53	30	10-150	F2
1,2,3-Trichlorobenzene	10.0	8.710	87	33	30	10-150	F2

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-90241-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: J11109.D
Lab ID: 600-90491-G-1 MSD Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Dichlorodifluoromethane	10.0	8.012	80	4	30	10-150	
Chloromethane	10.0	10.62	106	2	30	10-150	
Vinyl chloride	10.0	10.74	107	1	30	33-150	
Bromomethane	10.0	10.56	106	0	30	25-150	
Chloroethane	10.0	10.81	108	5	30	47-150	
Trichlorofluoromethane	10.0	10.42	104	1	30	43-150	
1,1-Dichloroethene	10.0	103.0	407	38	30	58-148	E 4 F2
trans-1,2-Dichloroethene	10.0	13.36	113	6	30	68-131	
Methyl tert-butyl ether	10.0	8.431	84	3	30	56-132	
Methylene Chloride	10.0	6.991	70	12	30	55-147	
cis-1,2-Dichloroethene	10.0	159.0	365	20	30	68-130	E 4
2-Butanone (MEK)	20.0	18.57	93	2	30	41-141	
Bromochloromethane	10.0	9.764	98	3	30	58-130	
Carbon tetrachloride	10.0	10.60	106	2	30	70-144	
Benzene	10.0	10.45	104	3	30	70-130	
1,2-Dichloroethane	10.0	10.52	95	7	30	67-134	
Trichloroethene	10.0	68.17	248	24	30	70-130	E 4
1,1,1-Trichloroethane	10.0	10.66	107	4	30	70-136	
1,1-Dichloroethane	10.0	31.98	145	18	30	70-140	F1
1,2-Dichloropropane	10.0	10.20	102	3	30	70-130	
2,2-Dichloropropane	10.0	10.26	103	2	30	64-149	
Dibromomethane	10.0	9.593	96	1	30	70-130	
Chloroform	10.0	10.51	99	4	30	70-130	
Bromodichloromethane	10.0	9.794	98	3	30	70-131	
2-Chloroethyl vinyl ether	20.0	0.6563 J	3	193	30	10-150	F1 F2
1,1-Dichloropropene	10.0	10.26	103	2	30	70-137	
cis-1,3-Dichloropropene	10.0	9.348	93	8	30	57-130	
Toluene	10.0	10.56	106	1	30	70-130	
trans-1,3-Dichloropropene	10.0	8.979	90	10	30	60-130	
1,1,2-Trichloroethane	10.0	10.70	98	1	30	70-130	
Tetrachloroethene	10.0	35.20	182	22	30	47-150	F1
1,3-Dichloropropane	10.0	9.414	94	1	30	70-130	
Chlorodibromomethane	10.0	9.864	99	4	30	62-130	
1,2-Dibromoethane	10.0	9.892	99	4	30	67-130	
Chlorobenzene	10.0	10.67	107	1	30	69-130	
1,1,1,2-Tetrachloroethane	10.0	10.75	108	2	30	70-130	
Ethylbenzene	10.0	10.70	107	2	30	70-130	
m-Xylene & p-Xylene	10.0	10.78	108	1	30	70-130	
Xylenes, Total	20.0	21.31	107	2	30	70-130	
o-Xylene	10.0	10.53	105	3	30	70-130	
Styrene	10.0	9.917	99	2	30	70-130	
Bromoform	10.0	8.411	84	10	30	54-133	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-90241-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: J11109.D
 Lab ID: 600-90491-G-1 MSD Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Isopropylbenzene	10.0	9.992	100	3	30	65-132	
Bromobenzene	10.0	9.926	99	7	30	70-130	
1,2,3-Trichloropropane	10.0	9.133	91	12	30	48-136	
1,1,2,2-Tetrachloroethane	10.0	9.457	95	3	30	58-133	
N-Propylbenzene	10.0	10.19	102	5	30	69-130	
2-Chlorotoluene	10.0	10.10	101	4	30	70-130	
4-Chlorotoluene	10.0	9.306	93	5	30	70-130	
1,3,5-Trimethylbenzene	10.0	9.903	99	4	30	69-130	
tert-Butylbenzene	10.0	10.34	103	3	30	70-130	
p-Isopropyltoluene	10.0	10.32	103	5	30	70-130	
1,2,4-Trimethylbenzene	10.0	9.650	96	4	30	70-130	
sec-Butylbenzene	10.0	10.40	104	5	30	68-130	
1,3-Dichlorobenzene	10.0	9.924	99	5	30	70-130	
1,4-Dichlorobenzene	10.0	10.00	100	6	30	70-130	
1,2-Dichlorobenzene	10.0	9.862	99	6	30	70-130	
n-Butylbenzene	10.0	9.924	99	4	30	70-130	
1,2-Dibromo-3-Chloropropane	10.0	7.962	80	3	30	41-142	
1,2,4-Trichlorobenzene	10.0	9.630	96	5	30	46-150	
Hexachlorobutadiene	10.0	11.67	117	7	30	55-150	
Naphthalene	10.0	8.582	86	7	30	10-150	
1,2,3-Trichlorobenzene	10.0	9.670	97	8	30	10-150	

Column to be used to flag recovery and RPD values

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-90241-1
SDG No.: _____
Lab File ID: C10105.D Lab Sample ID: MB 600-131850/4
Matrix: Water Heated Purge: (Y/N) N
Instrument ID: VOAMS01 Date Analyzed: 04/11/2014 11:21
GC Column: DB-VRX 60 ID: 0.25 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 600-131850/3	C10102.D	04/11/2014 09:49
	600-90229-F-19 MS	C10109.D	04/11/2014 13:04
	600-90229-F-19 MSD	C10110.D	04/11/2014 13:29
ARTESIA-MW17C-04082014	600-90241-2	C10124.D	04/11/2014 19:41

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-90241-1
 SDG No.: _____
 Lab File ID: C10206.D Lab Sample ID: MB 600-131912/5
 Matrix: Water Heated Purge: (Y/N) N
 Instrument ID: VOAMS01 Date Analyzed: 04/12/2014 12:26
 GC Column: DB-VRX 60 ID: 0.25 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 600-131912/3	C10202.D	04/12/2014 10:43
	LCSD 600-131912/4	C10203.D	04/12/2014 11:10
ARTESIA-MW18-04082014	600-90241-4	C10207.D	04/12/2014 12:51
ARTESIA-MW30-04082014 MSD	600-90241-13	C10209.D	04/12/2014 13:43
ARTESIA-MW32-04082014	600-90241-14	C10210.D	04/12/2014 14:08
ARTESIA-EB01-04082014	600-90241-15	C10211.D	04/12/2014 14:34
ARTESIA-MW33-04082014	600-90241-16	C10212.D	04/12/2014 15:00
ARTESIA-MW21-04082014	600-90241-5	C10213.D	04/12/2014 15:26
ARTESIA-TB01-04082014	600-90241-1	C10214.D	04/12/2014 15:55
ARTESIA-MW31-04082014	600-90241-6	C10215.D	04/12/2014 16:20
ARTESIA-MW25-04082014	600-90241-7	C10216.D	04/12/2014 16:45
ARTESIA-MW26-04082014	600-90241-8	C10217.D	04/12/2014 17:10
ARTESIA-DUP01-04082014	600-90241-9	C10218.D	04/12/2014 17:36
ARTESIA-MW28-04082014	600-90241-10	C10219.D	04/12/2014 18:01
ARTESIA-MW30-04082014	600-90241-11	C10220.D	04/12/2014 18:26
ARTESIA-MW30-04082014 MS	600-90241-12	C10221.D	04/12/2014 18:52
ARTESIA-MW12-04082014 DL	600-90241-3 DL	C10225.D	04/12/2014 20:35

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-90241-1
SDG No.: _____
Lab File ID: J11104.D Lab Sample ID: MB 600-132620/4
Matrix: Water Heated Purge: (Y/N) N
Instrument ID: VOAMS06 Date Analyzed: 04/21/2014 10:58
GC Column: DB-VRX 60 ID: 0.25 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 600-132620/3	J11102.D	04/21/2014 10:05
ARTESIA-MW12-04082014	600-90241-3	J11107.D	04/21/2014 12:28
	600-90491-F-1 MS	J11108.D	04/21/2014 12:55
	600-90491-G-1 MSD	J11109.D	04/21/2014 13:22

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Houston Job No.: 600-90241-1
 SDG No.: _____
 Lab File ID: C06500.D BFB Injection Date: 03/06/2014
 Instrument ID: VOAMS01 BFB Injection Time: 08:19
 Analysis Batch No.: 128860

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	21.7
75	30.0 - 60.0 % of mass 95	51.6
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	5.2
173	Less than 2.0 % of mass 174	0.4 (0.5)1
174	50.0 - 120.00 % of mass 95	81.8
175	5.0 - 9.0 % of mass 174	6.3 (7.6)1
176	95.0 - 101.0 % of mass 174	80.8 (98.7)1
177	5.0 - 9.0 % of mass 176	6.5 (8.0)2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 600-128860/2	C06502.D	03/06/2014	10:00
	IC 600-128860/3	C06503.D	03/06/2014	10:28
	IC 600-128860/4	C06504.D	03/06/2014	10:54
	ICIS 600-128860/5	C06505.D	03/06/2014	11:30
	IC 600-128860/6	C06506.D	03/06/2014	11:55
	IC 600-128860/7	C06507.D	03/06/2014	12:21

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Houston Job No.: 600-90241-1
 SDG No.: _____
 Lab File ID: C10100.D BFB Injection Date: 04/11/2014
 Instrument ID: VOAMS01 BFB Injection Time: 08:21
 Analysis Batch No.: 131850

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	24.3
75	30.0 - 60.0 % of mass 95	56.6
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.3
173	Less than 2.0 % of mass 174	0.4 (0.5)1
174	50.0 - 120.00 % of mass 95	77.0
175	5.0 - 9.0 % of mass 174	3.9 (5.1)1
176	95.0 - 101.0 % of mass 174	75.7 (98.2)1
177	5.0 - 9.0 % of mass 176	4.7 (6.2)2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 600-131850/2	C10101.D	04/11/2014	08:49
	LCS 600-131850/3	C10102.D	04/11/2014	09:49
	MB 600-131850/4	C10105.D	04/11/2014	11:21
	600-90229-F-19 MS	C10109.D	04/11/2014	13:04
	600-90229-F-19 MSD	C10110.D	04/11/2014	13:29
ARTESIA-MW17C-04082014	600-90241-2	C10124.D	04/11/2014	19:41

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Houston Job No.: 600-90241-1
SDG No.: _____
Lab File ID: C10200.D BFB Injection Date: 04/12/2014
Instrument ID: VOAMS01 BFB Injection Time: 09:09
Analysis Batch No.: 131912

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	23.7
75	30.0 - 60.0 % of mass 95	54.4
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.9
173	Less than 2.0 % of mass 174	0.0 (0.0)1
174	50.0 - 120.00 % of mass 95	78.2
175	5.0 - 9.0 % of mass 174	6.0 (7.6)1
176	95.0 - 101.0 % of mass 174	74.5 (95.3)1
177	5.0 - 9.0 % of mass 176	5.1 (6.9)2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 600-131912/2	C10201.D	04/12/2014	09:58
	LCS 600-131912/3	C10202.D	04/12/2014	10:43
	LCSD 600-131912/4	C10203.D	04/12/2014	11:10
	MB 600-131912/5	C10206.D	04/12/2014	12:26
ARTESIA-MW18-04082014	600-90241-4	C10207.D	04/12/2014	12:51
ARTESIA-MW30-04082014 MSD	600-90241-13	C10209.D	04/12/2014	13:43
ARTESIA-MW32-04082014	600-90241-14	C10210.D	04/12/2014	14:08
ARTESIA-EB01-04082014	600-90241-15	C10211.D	04/12/2014	14:34
ARTESIA-MW33-04082014	600-90241-16	C10212.D	04/12/2014	15:00
ARTESIA-MW21-04082014	600-90241-5	C10213.D	04/12/2014	15:26
ARTESIA-TB01-04082014	600-90241-1	C10214.D	04/12/2014	15:55
ARTESIA-MW31-04082014	600-90241-6	C10215.D	04/12/2014	16:20
ARTESIA-MW25-04082014	600-90241-7	C10216.D	04/12/2014	16:45
ARTESIA-MW26-04082014	600-90241-8	C10217.D	04/12/2014	17:10
ARTESIA-DUP01-04082014	600-90241-9	C10218.D	04/12/2014	17:36
ARTESIA-MW28-04082014	600-90241-10	C10219.D	04/12/2014	18:01
ARTESIA-MW30-04082014	600-90241-11	C10220.D	04/12/2014	18:26
ARTESIA-MW30-04082014 MS	600-90241-12	C10221.D	04/12/2014	18:52
ARTESIA-MW12-04082014 DL	600-90241-3 DL	C10225.D	04/12/2014	20:35

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Houston Job No.: 600-90241-1
 SDG No.: _____
 Lab File ID: J08700.D BFB Injection Date: 03/28/2014
 Instrument ID: VOAMS06 BFB Injection Time: 12:04
 Analysis Batch No.: 130858

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	20.6
75	30.0 - 60.0 % of mass 95	50.5
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.9
173	Less than 2.0 % of mass 174	0.3 (0.4)1
174	50.0 - 120.00 % of mass 95	78.3
175	5.0 - 9.0 % of mass 174	5.9 (7.6)1
176	95.0 - 101.0 % of mass 174	75.3 (96.2)1
177	5.0 - 9.0 % of mass 176	5.2 (6.8)2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 600-130858/2	J08702.D	03/28/2014	13:00
	IC 600-130858/3	J08703.D	03/28/2014	13:27
	IC 600-130858/4	J08704.D	03/28/2014	13:54
	ICIS 600-130858/5	J08705.D	03/28/2014	14:21
	IC 600-130858/6	J08706.D	03/28/2014	14:48
	IC 600-130858/7	J08707.D	03/28/2014	15:14

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Houston Job No.: 600-90241-1
 SDG No.: _____
 Lab File ID: J11100.D BFB Injection Date: 04/21/2014
 Instrument ID: VOAMS06 BFB Injection Time: 09:12
 Analysis Batch No.: 132620

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	19.2
75	30.0 - 60.0 % of mass 95	47.5
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.9
173	Less than 2.0 % of mass 174	0.0 (0.0)1
174	50.0 - 120.00 % of mass 95	88.6
175	5.0 - 9.0 % of mass 174	6.8 (7.7)1
176	95.0 - 101.0 % of mass 174	84.4 (95.3)1
177	5.0 - 9.0 % of mass 176	5.6 (6.7)2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 600-132620/2	J11101.D	04/21/2014	09:38
	LCS 600-132620/3	J11102.D	04/21/2014	10:05
	MB 600-132620/4	J11104.D	04/21/2014	10:58
ARTESIA-MW12-04082014	600-90241-3	J11107.D	04/21/2014	12:28
	600-90491-F-1 MS	J11108.D	04/21/2014	12:55
	600-90491-G-1 MSD	J11109.D	04/21/2014	13:22

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-90241-1
 SDG No.: _____
 Sample No.: CCVIS 600-131850/2 Date Analyzed: 04/11/2014 08:49
 Instrument ID: VOAMS01 GC Column: DB-VRX 60 ID: 0.25 (mm)
 Lab File ID (Standard): C10101.D Heated Purge: (Y/N) N
 Calibration ID: 2871

		FB		DXE		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		710956	8.71	11008	9.09	428795	11.69
UPPER LIMIT		1421912	9.21	22016	9.59	857590	12.19
LOWER LIMIT		355478	8.21	5504	8.59	214398	11.19
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 600-131850/3		748554	8.70	8429	9.08	434759	11.68
MB 600-131850/4		579766	8.71	6251	9.09	321926	11.69
600-90229-F-19 MS		685891	8.71	9417	9.10	415049	11.69
600-90229-F-19 MSD		836929	8.71	12960	9.09	494937	11.69
600-90241-2	ARTESIA-MW17C-0408201 4	1047936	8.71	6600	9.09	438842	11.69

FB = Fluorobenzene
 DXE = 1,4-Dioxane-d8
 CBZ = Chlorobenzene-d5

Area Limit = 50%-200% of internal standard area
 RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-90241-1
SDG No.: _____
Sample No.: CCVIS 600-131850/2 Date Analyzed: 04/11/2014 08:49
Instrument ID: VOAMS01 GC Column: DB-VRX 60 ID: 0.25 (mm)
Lab File ID (Standard): C10101.D Heated Purge: (Y/N) N
Calibration ID: 2871

		DCB					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		509708	14.25				
UPPER LIMIT		1019416	14.75				
LOWER LIMIT		254854	13.75				
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 600-131850/3		629610	14.24				
MB 600-131850/4		314790	14.25				
600-90229-F-19 MS		563358	14.25				
600-90229-F-19 MSD		657801	14.25				
600-90241-2	ARTESIA-MW17C-0408201 4	430863	14.25				

DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-90241-1
 SDG No.: _____
 Sample No.: CCVIS 600-131912/2 Date Analyzed: 04/12/2014 09:58
 Instrument ID: VOAMS01 GC Column: DB-VRX 60 ID: 0.25 (mm)
 Lab File ID (Standard): C10201.D Heated Purge: (Y/N) N
 Calibration ID: 2871

		FB		DXE		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		1012797	8.70	9708	9.09	474686	11.69
UPPER LIMIT		2025594	9.20	19416	9.59	949372	12.19
LOWER LIMIT		506399	8.20	4854	8.59	237343	11.19
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 600-131912/3		1005508	8.70	7666	9.08	461711	11.68
LCSD 600-131912/4		1184100	8.71	11866	9.09	547814	11.69
MB 600-131912/5		907899	8.71	7184	9.10	378516	11.69
600-90241-4	ARTESIA-MW18-04082014	842887	8.71	5956	9.09	358840	11.69
600-90241-13	ARTESIA-MW30-04082014 MSD	782401	8.71	8258	9.10	358008	11.69
600-90241-14	ARTESIA-MW32-04082014	749705	8.71	7449	9.09	327264	11.69
600-90241-15	ARTESIA-EB01-04082014	701843	8.71	5984	9.09	302329	11.69
600-90241-16	ARTESIA-MW33-04082014	680585	8.71	5856	9.10	294811	11.69
600-90241-5	ARTESIA-MW21-04082014	642006	8.71	5782	9.10	282075	11.69
600-90241-1	ARTESIA-TB01-04082014	797023	8.71	6400	9.09	351290	11.69
600-90241-6	ARTESIA-MW31-04082014	840485	8.71	6283	9.10	365530	11.69
600-90241-7	ARTESIA-MW25-04082014	792054	8.71	6728	9.09	367459	11.69
600-90241-8	ARTESIA-MW26-04082014	773745	8.71	5373	9.10	339923	11.69
600-90241-9	ARTESIA-DUP01-04082014 4	745290	8.71	5207	9.09	332926	11.69
600-90241-10	ARTESIA-MW28-04082014	741259	8.71	8219	9.09	353275	11.69
600-90241-11	ARTESIA-MW30-04082014	743103	8.71	6590	9.10	357615	11.69
600-90241-12	ARTESIA-MW30-04082014 MS	730931	8.71	8930	9.09	351689	11.69
600-90241-3 DL	ARTESIA-MW12-04082014 DL	666510	8.71	5853	9.10	286200	11.69

FB = Fluorobenzene
 DXE = 1,4-Dioxane-d8
 CBZ = Chlorobenzene-d5

Area Limit = 50%-200% of internal standard area
 RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-90241-1
 SDG No.: _____
 Sample No.: CCVIS 600-131912/2 Date Analyzed: 04/12/2014 09:58
 Instrument ID: VOAMS01 GC Column: DB-VRX 60 ID: 0.25 (mm)
 Lab File ID (Standard): C10201.D Heated Purge: (Y/N) N
 Calibration ID: 2871

		DCB					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		472852	14.24				
UPPER LIMIT		945704	14.74				
LOWER LIMIT		236426	13.74				
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 600-131912/3		553114	14.25				
LCSD 600-131912/4		662867	14.25				
MB 600-131912/5		331829	14.25				
600-90241-4	ARTESIA-MW18-04082014	316078	14.25				
600-90241-13	ARTESIA-MW30-04082014 MSD	305492	14.25				
600-90241-14	ARTESIA-MW32-04082014	291569	14.25				
600-90241-15	ARTESIA-EB01-04082014	273671	14.25				
600-90241-16	ARTESIA-MW33-04082014	269145	14.25				
600-90241-5	ARTESIA-MW21-04082014	255933	14.25				
600-90241-1	ARTESIA-TB01-04082014	303654	14.25				
600-90241-6	ARTESIA-MW31-04082014	320638	14.25				
600-90241-7	ARTESIA-MW25-04082014	309005	14.25				
600-90241-8	ARTESIA-MW26-04082014	307909	14.25				
600-90241-9	ARTESIA-DUP01-04082014	299746	14.25				
600-90241-10	ARTESIA-MW28-04082014	299839	14.25				
600-90241-11	ARTESIA-MW30-04082014	302728	14.25				
600-90241-12	ARTESIA-MW30-04082014 MS	298468	14.25				
600-90241-3 DL	ARTESIA-MW12-04082014 DL	335202	14.25				

DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
 RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-90241-1
 SDG No.: _____
 Sample No.: CCVIS 600-132620/2 Date Analyzed: 04/21/2014 09:38
 Instrument ID: VOAMS06 GC Column: DB-VRX 60 ID: 0.25 (mm)
 Lab File ID (Standard): J11101.D Heated Purge: (Y/N) N
 Calibration ID: 2966

		FB		DXE		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		129990	8.82	1248	9.22	50166	11.85
UPPER LIMIT		259980	9.32	2496	9.72	100332	12.35
LOWER LIMIT		64995	8.32	624	8.72	25083	11.35
LAB SAMPLE ID		CLIENT SAMPLE ID					
LCS 600-132620/3		135168	8.82	1442	9.22	51785	11.86
MB 600-132620/4		134923	8.82	1530	9.22	51340	11.86
600-90241-3		ARTESIA-MW12-04082014	126888	888	9.23	47810	11.86
600-90491-F-1 MS		136288	8.82	1398	9.23	52311	11.86
600-90491-G-1 MSD		139341	8.82	1406	9.22	53705	11.86

FB = Fluorobenzene
 DXE = 1,4-Dioxane-d8
 CBZ = Chlorobenzene-d5

Area Limit = 50%-200% of internal standard area
 RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-90241-1
 SDG No.: _____
 Sample No.: CCVIS 600-132620/2 Date Analyzed: 04/21/2014 09:38
 Instrument ID: VOAMS06 GC Column: DB-VRX 60 ID: 0.25 (mm)
 Lab File ID (Standard): J11101.D Heated Purge: (Y/N) N
 Calibration ID: 2966

		DCB					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		57229	14.42				
UPPER LIMIT		114458	14.92				
LOWER LIMIT		28615	13.92				
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 600-132620/3		58519	14.42				
MB 600-132620/4		53465	14.42				
600-90241-3	ARTESIA-MW12-04082014	55711	14.42				
600-90491-F-1 MS		59324	14.42				
600-90491-G-1 MSD		59658	14.42				

DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
 RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-90241-1

SDG No.: _____

Client Sample ID: ARTESIA-TB01-04082014 Lab Sample ID: 600-90241-1

Matrix: Water Lab File ID: C10214.D

Analysis Method: 8260B Date Collected: 04/08/2014 07:00

Sample wt/vol: 20 (mL) Date Analyzed: 04/12/2014 15:55

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 131912 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	0.120	U	1.00	0.120
74-87-3	Chloromethane	0.180	U	2.00	0.180
75-01-4	Vinyl chloride	0.110	U	2.00	0.110
74-83-9	Bromomethane	0.250	U	2.00	0.250
75-00-3	Chloroethane	0.0800	U	2.00	0.0800
75-69-4	Trichlorofluoromethane	0.0800	U	1.00	0.0800
75-35-4	1,1-Dichloroethene	0.190	U	1.00	0.190
156-60-5	trans-1,2-Dichloroethene	0.0900	U	1.00	0.0900
1634-04-4	Methyl tert-butyl ether	0.120	U	1.00	0.120
75-09-2	Methylene Chloride	0.150	U	5.00	0.150
156-59-2	cis-1,2-Dichloroethene	0.0600	U	1.00	0.0600
78-93-3	2-Butanone (MEK)	0.760	U	2.00	0.760
74-97-5	Bromochloromethane	0.180	U	1.00	0.180
56-23-5	Carbon tetrachloride	0.150	U	1.00	0.150
71-43-2	Benzene	0.0800	U	1.00	0.0800
107-06-2	1,2-Dichloroethane	0.140	U	1.00	0.140
79-01-6	Trichloroethene	0.180	U	1.00	0.180
71-55-6	1,1,1-Trichloroethane	0.150	U	1.00	0.150
75-34-3	1,1-Dichloroethane	0.110	U	1.00	0.110
78-87-5	1,2-Dichloropropane	0.160	U	1.00	0.160
594-20-7	2,2-Dichloropropane	0.130	U	1.00	0.130
74-95-3	Dibromomethane	0.520	U	1.00	0.520
67-66-3	Chloroform	0.130	U	1.00	0.130
75-27-4	Bromodichloromethane	0.160	U	1.00	0.160
110-75-8	2-Chloroethyl vinyl ether	0.500	U	2.00	0.500
563-58-6	1,1-Dichloropropene	0.210	U	1.00	0.210
10061-01-5	cis-1,3-Dichloropropene	0.180	U	1.00	0.180
108-88-3	Toluene	0.150	U	1.00	0.150
10061-02-6	trans-1,3-Dichloropropene	0.210	U	1.00	0.210
79-00-5	1,1,2-Trichloroethane	0.280	U	1.00	0.280
127-18-4	Tetrachloroethene	0.130	U	1.00	0.130
142-28-9	1,3-Dichloropropane	0.220	U	1.00	0.220
124-48-1	Chlorodibromomethane	0.150	U	1.00	0.150
106-93-4	1,2-Dibromoethane	0.180	U	1.00	0.180
108-90-7	Chlorobenzene	0.120	U	1.00	0.120
630-20-6	1,1,1,2-Tetrachloroethane	0.180	U	1.00	0.180

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-90241-1

SDG No.: _____

Client Sample ID: ARTESIA-TB01-04082014 Lab Sample ID: 600-90241-1

Matrix: Water Lab File ID: C10214.D

Analysis Method: 8260B Date Collected: 04/08/2014 07:00

Sample wt/vol: 20 (mL) Date Analyzed: 04/12/2014 15:55

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 131912 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	0.110	U	1.00	0.110
179601-23-1	m-Xylene & p-Xylene	0.170	U	1.00	0.170
1330-20-7	Xylenes, Total	0.260	U	1.00	0.260
95-47-6	o-Xylene	0.120	U	1.00	0.120
100-42-5	Styrene	0.0700	U	1.00	0.0700
75-25-2	Bromoform	0.190	U	1.00	0.190
98-82-8	Isopropylbenzene	0.180	U	1.00	0.180
108-86-1	Bromobenzene	0.190	U	1.00	0.190
96-18-4	1,2,3-Trichloropropane	0.290	U	1.00	0.290
79-34-5	1,1,2,2-Tetrachloroethane	0.220	U	1.00	0.220
103-65-1	N-Propylbenzene	0.150	U	1.00	0.150
95-49-8	2-Chlorotoluene	0.130	U	1.00	0.130
106-43-4	4-Chlorotoluene	0.140	U	1.00	0.140
108-67-8	1,3,5-Trimethylbenzene	0.100	U	1.00	0.100
98-06-6	tert-Butylbenzene	0.0800	U	1.00	0.0800
99-87-6	p-Isopropyltoluene	0.100	U	1.00	0.100
95-63-6	1,2,4-Trimethylbenzene	0.140	U	1.00	0.140
135-98-8	sec-Butylbenzene	0.120	U	1.00	0.120
541-73-1	1,3-Dichlorobenzene	0.130	U	1.00	0.130
106-46-7	1,4-Dichlorobenzene	0.110	U	1.00	0.110
95-50-1	1,2-Dichlorobenzene	0.100	U	1.00	0.100
104-51-8	n-Butylbenzene	0.160	U	1.00	0.160
96-12-8	1,2-Dibromo-3-Chloropropane	0.810	U	1.00	0.810
120-82-1	1,2,4-Trichlorobenzene	0.310	U	1.00	0.310
87-68-3	Hexachlorobutadiene	0.170	U	1.00	0.170
91-20-3	Naphthalene	0.320	U	2.00	0.320
87-61-6	1,2,3-Trichlorobenzene	0.570	U	1.00	0.570

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	111		67-139
1868-53-7	Dibromofluoromethane	86		62-130
2037-26-5	Toluene-d8 (Surr)	100		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	88		50-134

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-90241-1

SDG No.: _____

Client Sample ID: ARTESIA-MW17C-04082014 Lab Sample ID: 600-90241-2

Matrix: Water Lab File ID: C10124.D

Analysis Method: 8260B Date Collected: 04/08/2014 08:30

Sample wt/vol: 20 (mL) Date Analyzed: 04/11/2014 19:41

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 131850 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	0.120	U	1.00	0.120
74-87-3	Chloromethane	0.180	U	2.00	0.180
75-01-4	Vinyl chloride	0.110	U	2.00	0.110
74-83-9	Bromomethane	0.250	U	2.00	0.250
75-00-3	Chloroethane	0.0800	U	2.00	0.0800
75-69-4	Trichlorofluoromethane	0.0800	U	1.00	0.0800
75-35-4	1,1-Dichloroethene	0.438	J	1.00	0.190
156-60-5	trans-1,2-Dichloroethene	0.0900	U	1.00	0.0900
1634-04-4	Methyl tert-butyl ether	0.120	U	1.00	0.120
75-09-2	Methylene Chloride	0.150	U	5.00	0.150
156-59-2	cis-1,2-Dichloroethene	0.0600	U	1.00	0.0600
78-93-3	2-Butanone (MEK)	0.760	U	2.00	0.760
74-97-5	Bromochloromethane	0.180	U	1.00	0.180
56-23-5	Carbon tetrachloride	0.150	U	1.00	0.150
71-43-2	Benzene	0.0800	U	1.00	0.0800
107-06-2	1,2-Dichloroethane	0.140	U	1.00	0.140
79-01-6	Trichloroethene	0.262	J	1.00	0.180
71-55-6	1,1,1-Trichloroethane	0.150	U	1.00	0.150
75-34-3	1,1-Dichloroethane	0.221	J	1.00	0.110
78-87-5	1,2-Dichloropropane	0.160	U	1.00	0.160
594-20-7	2,2-Dichloropropane	0.130	U	1.00	0.130
74-95-3	Dibromomethane	0.520	U	1.00	0.520
67-66-3	Chloroform	0.130	U	1.00	0.130
75-27-4	Bromodichloromethane	0.160	U	1.00	0.160
110-75-8	2-Chloroethyl vinyl ether	0.500	U	2.00	0.500
563-58-6	1,1-Dichloropropene	0.210	U	1.00	0.210
10061-01-5	cis-1,3-Dichloropropene	0.180	U	1.00	0.180
108-88-3	Toluene	0.150	U	1.00	0.150
10061-02-6	trans-1,3-Dichloropropene	0.210	U	1.00	0.210
79-00-5	1,1,2-Trichloroethane	0.280	U	1.00	0.280
127-18-4	Tetrachloroethene	0.200	J	1.00	0.130
142-28-9	1,3-Dichloropropane	0.220	U	1.00	0.220
124-48-1	Chlorodibromomethane	0.150	U	1.00	0.150
106-93-4	1,2-Dibromoethane	0.180	U	1.00	0.180
108-90-7	Chlorobenzene	0.120	U	1.00	0.120
630-20-6	1,1,1,2-Tetrachloroethane	0.180	U	1.00	0.180

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-90241-1

SDG No.: _____

Client Sample ID: ARTESIA-MW17C-04082014 Lab Sample ID: 600-90241-2

Matrix: Water Lab File ID: C10124.D

Analysis Method: 8260B Date Collected: 04/08/2014 08:30

Sample wt/vol: 20 (mL) Date Analyzed: 04/11/2014 19:41

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 131850 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	0.110	U	1.00	0.110
179601-23-1	m-Xylene & p-Xylene	0.170	U	1.00	0.170
1330-20-7	Xylenes, Total	0.260	U	1.00	0.260
95-47-6	o-Xylene	0.120	U	1.00	0.120
100-42-5	Styrene	0.0700	U	1.00	0.0700
75-25-2	Bromoform	0.190	U	1.00	0.190
98-82-8	Isopropylbenzene	0.180	U	1.00	0.180
108-86-1	Bromobenzene	0.190	U	1.00	0.190
96-18-4	1,2,3-Trichloropropane	0.290	U	1.00	0.290
79-34-5	1,1,2,2-Tetrachloroethane	0.220	U	1.00	0.220
103-65-1	N-Propylbenzene	0.150	U	1.00	0.150
95-49-8	2-Chlorotoluene	0.130	U	1.00	0.130
106-43-4	4-Chlorotoluene	0.140	U	1.00	0.140
108-67-8	1,3,5-Trimethylbenzene	0.100	U	1.00	0.100
98-06-6	tert-Butylbenzene	0.0800	U	1.00	0.0800
99-87-6	p-Isopropyltoluene	0.100	U	1.00	0.100
95-63-6	1,2,4-Trimethylbenzene	0.140	U	1.00	0.140
135-98-8	sec-Butylbenzene	0.120	U	1.00	0.120
541-73-1	1,3-Dichlorobenzene	0.130	U	1.00	0.130
106-46-7	1,4-Dichlorobenzene	0.110	U	1.00	0.110
95-50-1	1,2-Dichlorobenzene	0.100	U	1.00	0.100
104-51-8	n-Butylbenzene	0.160	U	1.00	0.160
96-12-8	1,2-Dibromo-3-Chloropropane	0.810	U	1.00	0.810
120-82-1	1,2,4-Trichlorobenzene	0.310	U	1.00	0.310
87-68-3	Hexachlorobutadiene	0.170	U	1.00	0.170
91-20-3	Naphthalene	0.320	U	2.00	0.320
87-61-6	1,2,3-Trichlorobenzene	0.570	U	1.00	0.570

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	114		67-139
1868-53-7	Dibromofluoromethane	74		62-130
2037-26-5	Toluene-d8 (Surr)	99		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	72		50-134

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-90241-1

SDG No.: _____

Client Sample ID: ARTESIA-MW12-04082014 Lab Sample ID: 600-90241-3

Matrix: Water Lab File ID: J11107.D

Analysis Method: 8260B Date Collected: 04/08/2014 09:30

Sample wt/vol: 20 (mL) Date Analyzed: 04/21/2014 12:28

Soil Aliquot Vol: _____ Dilution Factor: 5

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 132620 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	0.600	U	5.00	0.600
74-87-3	Chloromethane	0.900	U	10.0	0.900
75-01-4	Vinyl chloride	0.550	U	10.0	0.550
74-83-9	Bromomethane	1.25	U	10.0	1.25
75-00-3	Chloroethane	0.400	U	10.0	0.400
75-69-4	Trichlorofluoromethane	0.400	U	5.00	0.400
75-35-4	1,1-Dichloroethene	2.29	J	5.00	0.950
156-60-5	trans-1,2-Dichloroethene	0.450	U	5.00	0.450
1634-04-4	Methyl tert-butyl ether	0.600	U	5.00	0.600
75-09-2	Methylene Chloride	0.750	U	25.0	0.750
156-59-2	cis-1,2-Dichloroethene	46.9		5.00	0.300
78-93-3	2-Butanone (MEK)	3.80	U	10.0	3.80
74-97-5	Bromochloromethane	0.900	U	5.00	0.900
56-23-5	Carbon tetrachloride	0.750	U	5.00	0.750
71-43-2	Benzene	6.21		5.00	0.400
107-06-2	1,2-Dichloroethane	0.700	U	5.00	0.700
79-01-6	Trichloroethene	3.67	J	5.00	0.900
71-55-6	1,1,1-Trichloroethane	0.750	U	5.00	0.750
75-34-3	1,1-Dichloroethane	26.3		5.00	0.550
78-87-5	1,2-Dichloropropane	0.800	U	5.00	0.800
594-20-7	2,2-Dichloropropane	0.650	U	5.00	0.650
74-95-3	Dibromomethane	2.60	U	5.00	2.60
67-66-3	Chloroform	0.650	U	5.00	0.650
75-27-4	Bromodichloromethane	0.800	U	5.00	0.800
110-75-8	2-Chloroethyl vinyl ether	2.50	U	10.0	2.50
563-58-6	1,1-Dichloropropene	1.05	U	5.00	1.05
10061-01-5	cis-1,3-Dichloropropene	0.900	U	5.00	0.900
108-88-3	Toluene	0.750	U	5.00	0.750
10061-02-6	trans-1,3-Dichloropropene	1.05	U	5.00	1.05
79-00-5	1,1,2-Trichloroethane	1.40	U	5.00	1.40
127-18-4	Tetrachloroethene	1.13	J	5.00	0.650
142-28-9	1,3-Dichloropropane	1.10	U	5.00	1.10
124-48-1	Chlorodibromomethane	0.750	U	5.00	0.750
106-93-4	1,2-Dibromoethane	0.900	U	5.00	0.900
108-90-7	Chlorobenzene	0.600	U	5.00	0.600
630-20-6	1,1,1,2-Tetrachloroethane	0.900	U	5.00	0.900

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-90241-1

SDG No.: _____

Client Sample ID: ARTESIA-MW12-04082014 Lab Sample ID: 600-90241-3

Matrix: Water Lab File ID: J11107.D

Analysis Method: 8260B Date Collected: 04/08/2014 09:30

Sample wt/vol: 20 (mL) Date Analyzed: 04/21/2014 12:28

Soil Aliquot Vol: _____ Dilution Factor: 5

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 132620 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	148		5.00	0.550
179601-23-1	m-Xylene & p-Xylene	48.6		5.00	0.850
1330-20-7	Xylenes, Total	49.9		5.00	1.30
95-47-6	o-Xylene	1.27	J	5.00	0.600
100-42-5	Styrene	0.350	U	5.00	0.350
75-25-2	Bromoform	0.950	U	5.00	0.950
98-82-8	Isopropylbenzene	101		5.00	0.900
108-86-1	Bromobenzene	0.950	U	5.00	0.950
96-18-4	1,2,3-Trichloropropane	1.45	U	5.00	1.45
79-34-5	1,1,2,2-Tetrachloroethane	1.10	U	5.00	1.10
103-65-1	N-Propylbenzene	126		5.00	0.750
95-49-8	2-Chlorotoluene	0.650	U	5.00	0.650
106-43-4	4-Chlorotoluene	0.700	U	5.00	0.700
108-67-8	1,3,5-Trimethylbenzene	0.564	J	5.00	0.500
98-06-6	tert-Butylbenzene	0.400	U	5.00	0.400
99-87-6	p-Isopropyltoluene	1.14	J	5.00	0.500
135-98-8	sec-Butylbenzene	7.07		5.00	0.600
541-73-1	1,3-Dichlorobenzene	0.650	U	5.00	0.650
106-46-7	1,4-Dichlorobenzene	0.550	U	5.00	0.550
95-50-1	1,2-Dichlorobenzene	0.500	U	5.00	0.500
104-51-8	n-Butylbenzene	4.95	J	5.00	0.800
96-12-8	1,2-Dibromo-3-Chloropropane	4.05	U	5.00	4.05
120-82-1	1,2,4-Trichlorobenzene	1.55	U	5.00	1.55
87-68-3	Hexachlorobutadiene	0.850	U	5.00	0.850
91-20-3	Naphthalene	41.9		10.0	1.60
87-61-6	1,2,3-Trichlorobenzene	2.85	U	5.00	2.85

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	87		67-139
1868-53-7	Dibromofluoromethane	85		62-130
2037-26-5	Toluene-d8 (Surr)	96		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	79		50-134

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-90241-1
SDG No.: _____
Client Sample ID: ARTESIA-MW12-04082014 DL Lab Sample ID: 600-90241-3 DL
Matrix: Water Lab File ID: C10225.D
Analysis Method: 8260B Date Collected: 04/08/2014 09:30
Sample wt/vol: 20 (mL) Date Analyzed: 04/12/2014 20:35
Soil Aliquot Vol: _____ Dilution Factor: 50
Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 131912 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-63-6	1,2,4-Trimethylbenzene	271		50.0	7.00

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	114		67-139
1868-53-7	Dibromofluoromethane	93		62-130
2037-26-5	Toluene-d8 (Surr)	110		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	94		50-134

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-90241-1

SDG No.: _____

Client Sample ID: ARTESIA-MW18-04082014 Lab Sample ID: 600-90241-4

Matrix: Water Lab File ID: C10207.D

Analysis Method: 8260B Date Collected: 04/08/2014 10:15

Sample wt/vol: 20 (mL) Date Analyzed: 04/12/2014 12:51

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 131912 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	0.120	U	1.00	0.120
74-87-3	Chloromethane	0.180	U	2.00	0.180
75-01-4	Vinyl chloride	0.110	U	2.00	0.110
74-83-9	Bromomethane	0.250	U	2.00	0.250
75-00-3	Chloroethane	0.0800	U	2.00	0.0800
75-69-4	Trichlorofluoromethane	0.0800	U	1.00	0.0800
75-35-4	1,1-Dichloroethene	5.51		1.00	0.190
156-60-5	trans-1,2-Dichloroethene	0.0900	U	1.00	0.0900
1634-04-4	Methyl tert-butyl ether	0.120	U	1.00	0.120
75-09-2	Methylene Chloride	0.150	U	5.00	0.150
156-59-2	cis-1,2-Dichloroethene	0.0600	U	1.00	0.0600
78-93-3	2-Butanone (MEK)	0.760	U	2.00	0.760
74-97-5	Bromochloromethane	0.180	U	1.00	0.180
56-23-5	Carbon tetrachloride	0.150	U	1.00	0.150
71-43-2	Benzene	0.0800	U	1.00	0.0800
107-06-2	1,2-Dichloroethane	0.140	U	1.00	0.140
79-01-6	Trichloroethene	0.180	U	1.00	0.180
71-55-6	1,1,1-Trichloroethane	0.150	U	1.00	0.150
75-34-3	1,1-Dichloroethane	1.18		1.00	0.110
78-87-5	1,2-Dichloropropane	0.160	U	1.00	0.160
594-20-7	2,2-Dichloropropane	0.130	U	1.00	0.130
74-95-3	Dibromomethane	0.520	U	1.00	0.520
67-66-3	Chloroform	0.130	U	1.00	0.130
75-27-4	Bromodichloromethane	0.160	U	1.00	0.160
110-75-8	2-Chloroethyl vinyl ether	0.500	U	2.00	0.500
563-58-6	1,1-Dichloropropene	0.210	U	1.00	0.210
10061-01-5	cis-1,3-Dichloropropene	0.180	U	1.00	0.180
108-88-3	Toluene	0.150	U	1.00	0.150
10061-02-6	trans-1,3-Dichloropropene	0.210	U	1.00	0.210
79-00-5	1,1,2-Trichloroethane	0.280	U	1.00	0.280
127-18-4	Tetrachloroethene	5.64		1.00	0.130
142-28-9	1,3-Dichloropropane	0.220	U	1.00	0.220
124-48-1	Chlorodibromomethane	0.150	U	1.00	0.150
106-93-4	1,2-Dibromoethane	0.180	U	1.00	0.180
108-90-7	Chlorobenzene	0.120	U	1.00	0.120
630-20-6	1,1,1,2-Tetrachloroethane	0.180	U	1.00	0.180

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-90241-1

SDG No.: _____

Client Sample ID: ARTESIA-MW18-04082014 Lab Sample ID: 600-90241-4

Matrix: Water Lab File ID: C10207.D

Analysis Method: 8260B Date Collected: 04/08/2014 10:15

Sample wt/vol: 20 (mL) Date Analyzed: 04/12/2014 12:51

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 131912 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	0.110	U	1.00	0.110
179601-23-1	m-Xylene & p-Xylene	0.170	U	1.00	0.170
1330-20-7	Xylenes, Total	0.260	U	1.00	0.260
95-47-6	o-Xylene	0.120	U	1.00	0.120
100-42-5	Styrene	0.0700	U	1.00	0.0700
75-25-2	Bromoform	0.190	U	1.00	0.190
98-82-8	Isopropylbenzene	0.180	U	1.00	0.180
108-86-1	Bromobenzene	0.190	U	1.00	0.190
96-18-4	1,2,3-Trichloropropane	0.290	U	1.00	0.290
79-34-5	1,1,2,2-Tetrachloroethane	0.220	U	1.00	0.220
103-65-1	N-Propylbenzene	0.150	U	1.00	0.150
95-49-8	2-Chlorotoluene	0.130	U	1.00	0.130
106-43-4	4-Chlorotoluene	0.140	U	1.00	0.140
108-67-8	1,3,5-Trimethylbenzene	0.100	U	1.00	0.100
98-06-6	tert-Butylbenzene	0.0800	U	1.00	0.0800
99-87-6	p-Isopropyltoluene	0.100	U	1.00	0.100
95-63-6	1,2,4-Trimethylbenzene	0.140	U	1.00	0.140
135-98-8	sec-Butylbenzene	0.120	U	1.00	0.120
541-73-1	1,3-Dichlorobenzene	0.130	U	1.00	0.130
106-46-7	1,4-Dichlorobenzene	0.110	U	1.00	0.110
95-50-1	1,2-Dichlorobenzene	0.100	U	1.00	0.100
104-51-8	n-Butylbenzene	0.160	U	1.00	0.160
96-12-8	1,2-Dibromo-3-Chloropropane	0.810	U	1.00	0.810
120-82-1	1,2,4-Trichlorobenzene	0.310	U	1.00	0.310
87-68-3	Hexachlorobutadiene	0.170	U	1.00	0.170
91-20-3	Naphthalene	0.670	J B	2.00	0.320
87-61-6	1,2,3-Trichlorobenzene	0.570	U	1.00	0.570

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	109		67-139
1868-53-7	Dibromofluoromethane	78		62-130
2037-26-5	Toluene-d8 (Surr)	99		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	77		50-134

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-90241-1

SDG No.: _____

Client Sample ID: ARTESIA-MW21-04082014 Lab Sample ID: 600-90241-5

Matrix: Water Lab File ID: C10213.D

Analysis Method: 8260B Date Collected: 04/08/2014 11:00

Sample wt/vol: 20 (mL) Date Analyzed: 04/12/2014 15:26

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 131912 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	0.120	U	1.00	0.120
74-87-3	Chloromethane	0.180	U	2.00	0.180
75-01-4	Vinyl chloride	0.110	U	2.00	0.110
74-83-9	Bromomethane	0.250	U	2.00	0.250
75-00-3	Chloroethane	0.0800	U	2.00	0.0800
75-69-4	Trichlorofluoromethane	0.0800	U	1.00	0.0800
75-35-4	1,1-Dichloroethene	0.190	U	1.00	0.190
156-60-5	trans-1,2-Dichloroethene	0.0900	U	1.00	0.0900
1634-04-4	Methyl tert-butyl ether	0.120	U	1.00	0.120
75-09-2	Methylene Chloride	0.150	U	5.00	0.150
156-59-2	cis-1,2-Dichloroethene	0.0600	U	1.00	0.0600
78-93-3	2-Butanone (MEK)	0.760	U	2.00	0.760
74-97-5	Bromochloromethane	0.180	U	1.00	0.180
56-23-5	Carbon tetrachloride	0.150	U	1.00	0.150
71-43-2	Benzene	0.0800	U	1.00	0.0800
107-06-2	1,2-Dichloroethane	0.187	J	1.00	0.140
79-01-6	Trichloroethene	0.180	U	1.00	0.180
71-55-6	1,1,1-Trichloroethane	0.150	U	1.00	0.150
75-34-3	1,1-Dichloroethane	0.221	J	1.00	0.110
78-87-5	1,2-Dichloropropane	0.160	U	1.00	0.160
594-20-7	2,2-Dichloropropane	0.130	U	1.00	0.130
74-95-3	Dibromomethane	0.520	U	1.00	0.520
67-66-3	Chloroform	0.130	U	1.00	0.130
75-27-4	Bromodichloromethane	0.160	U	1.00	0.160
110-75-8	2-Chloroethyl vinyl ether	0.500	U	2.00	0.500
563-58-6	1,1-Dichloropropene	0.210	U	1.00	0.210
10061-01-5	cis-1,3-Dichloropropene	0.180	U	1.00	0.180
108-88-3	Toluene	0.150	U	1.00	0.150
10061-02-6	trans-1,3-Dichloropropene	0.210	U	1.00	0.210
79-00-5	1,1,2-Trichloroethane	0.280	U	1.00	0.280
127-18-4	Tetrachloroethene	0.408	J	1.00	0.130
142-28-9	1,3-Dichloropropane	0.220	U	1.00	0.220
124-48-1	Chlorodibromomethane	0.150	U	1.00	0.150
106-93-4	1,2-Dibromoethane	0.180	U	1.00	0.180
108-90-7	Chlorobenzene	0.120	U	1.00	0.120
630-20-6	1,1,1,2-Tetrachloroethane	0.180	U	1.00	0.180

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-90241-1

SDG No.: _____

Client Sample ID: ARTESIA-MW21-04082014 Lab Sample ID: 600-90241-5

Matrix: Water Lab File ID: C10213.D

Analysis Method: 8260B Date Collected: 04/08/2014 11:00

Sample wt/vol: 20 (mL) Date Analyzed: 04/12/2014 15:26

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 131912 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	0.110	U	1.00	0.110
179601-23-1	m-Xylene & p-Xylene	0.170	U	1.00	0.170
1330-20-7	Xylenes, Total	0.260	U	1.00	0.260
95-47-6	o-Xylene	0.120	U	1.00	0.120
100-42-5	Styrene	0.0700	U	1.00	0.0700
75-25-2	Bromoform	0.190	U	1.00	0.190
98-82-8	Isopropylbenzene	0.180	U	1.00	0.180
108-86-1	Bromobenzene	0.190	U	1.00	0.190
96-18-4	1,2,3-Trichloropropane	0.290	U	1.00	0.290
79-34-5	1,1,2,2-Tetrachloroethane	0.220	U	1.00	0.220
103-65-1	N-Propylbenzene	0.150	U	1.00	0.150
95-49-8	2-Chlorotoluene	0.130	U	1.00	0.130
106-43-4	4-Chlorotoluene	0.140	U	1.00	0.140
108-67-8	1,3,5-Trimethylbenzene	0.100	U	1.00	0.100
98-06-6	tert-Butylbenzene	0.0800	U	1.00	0.0800
99-87-6	p-Isopropyltoluene	0.100	U	1.00	0.100
95-63-6	1,2,4-Trimethylbenzene	0.140	U	1.00	0.140
135-98-8	sec-Butylbenzene	0.120	U	1.00	0.120
541-73-1	1,3-Dichlorobenzene	0.130	U	1.00	0.130
106-46-7	1,4-Dichlorobenzene	0.110	U	1.00	0.110
95-50-1	1,2-Dichlorobenzene	0.100	U	1.00	0.100
104-51-8	n-Butylbenzene	0.160	U	1.00	0.160
96-12-8	1,2-Dibromo-3-Chloropropane	0.810	U	1.00	0.810
120-82-1	1,2,4-Trichlorobenzene	0.310	U	1.00	0.310
87-68-3	Hexachlorobutadiene	0.170	U	1.00	0.170
91-20-3	Naphthalene	0.320	U	2.00	0.320
87-61-6	1,2,3-Trichlorobenzene	0.570	U	1.00	0.570

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	113		67-139
1868-53-7	Dibromofluoromethane	87		62-130
2037-26-5	Toluene-d8 (Surr)	103		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	89		50-134

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-90241-1

SDG No.: _____

Client Sample ID: ARTESIA-MW31-04082014 Lab Sample ID: 600-90241-6

Matrix: Water Lab File ID: C10215.D

Analysis Method: 8260B Date Collected: 04/08/2014 12:10

Sample wt/vol: 20 (mL) Date Analyzed: 04/12/2014 16:20

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 131912 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	0.120	U	1.00	0.120
74-87-3	Chloromethane	0.180	U	2.00	0.180
75-01-4	Vinyl chloride	0.110	U	2.00	0.110
74-83-9	Bromomethane	0.250	U	2.00	0.250
75-00-3	Chloroethane	0.0800	U	2.00	0.0800
75-69-4	Trichlorofluoromethane	0.0800	U	1.00	0.0800
75-35-4	1,1-Dichloroethene	0.190	U	1.00	0.190
156-60-5	trans-1,2-Dichloroethene	0.0900	U	1.00	0.0900
1634-04-4	Methyl tert-butyl ether	0.120	U	1.00	0.120
75-09-2	Methylene Chloride	0.150	U	5.00	0.150
156-59-2	cis-1,2-Dichloroethene	0.0600	U	1.00	0.0600
78-93-3	2-Butanone (MEK)	0.760	U	2.00	0.760
74-97-5	Bromochloromethane	0.180	U	1.00	0.180
56-23-5	Carbon tetrachloride	0.150	U	1.00	0.150
71-43-2	Benzene	0.0800	U	1.00	0.0800
107-06-2	1,2-Dichloroethane	0.140	U	1.00	0.140
79-01-6	Trichloroethene	0.180	U	1.00	0.180
71-55-6	1,1,1-Trichloroethane	0.150	U	1.00	0.150
75-34-3	1,1-Dichloroethane	0.291	J	1.00	0.110
78-87-5	1,2-Dichloropropane	0.160	U	1.00	0.160
594-20-7	2,2-Dichloropropane	0.130	U	1.00	0.130
74-95-3	Dibromomethane	0.520	U	1.00	0.520
67-66-3	Chloroform	0.130	U	1.00	0.130
75-27-4	Bromodichloromethane	0.160	U	1.00	0.160
110-75-8	2-Chloroethyl vinyl ether	0.500	U	2.00	0.500
563-58-6	1,1-Dichloropropene	0.210	U	1.00	0.210
10061-01-5	cis-1,3-Dichloropropene	0.180	U	1.00	0.180
108-88-3	Toluene	0.150	U	1.00	0.150
10061-02-6	trans-1,3-Dichloropropene	0.210	U	1.00	0.210
79-00-5	1,1,2-Trichloroethane	0.280	U	1.00	0.280
127-18-4	Tetrachloroethene	0.130	U	1.00	0.130
142-28-9	1,3-Dichloropropane	0.220	U	1.00	0.220
124-48-1	Chlorodibromomethane	0.150	U	1.00	0.150
106-93-4	1,2-Dibromoethane	0.180	U	1.00	0.180
108-90-7	Chlorobenzene	0.120	U	1.00	0.120
630-20-6	1,1,1,2-Tetrachloroethane	0.180	U	1.00	0.180

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-90241-1

SDG No.: _____

Client Sample ID: ARTESIA-MW31-04082014 Lab Sample ID: 600-90241-6

Matrix: Water Lab File ID: C10215.D

Analysis Method: 8260B Date Collected: 04/08/2014 12:10

Sample wt/vol: 20 (mL) Date Analyzed: 04/12/2014 16:20

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 131912 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	0.110	U	1.00	0.110
179601-23-1	m-Xylene & p-Xylene	0.170	U	1.00	0.170
1330-20-7	Xylenes, Total	0.260	U	1.00	0.260
95-47-6	o-Xylene	0.120	U	1.00	0.120
100-42-5	Styrene	0.0700	U	1.00	0.0700
75-25-2	Bromoform	0.190	U	1.00	0.190
98-82-8	Isopropylbenzene	0.180	U	1.00	0.180
108-86-1	Bromobenzene	0.190	U	1.00	0.190
96-18-4	1,2,3-Trichloropropane	0.290	U	1.00	0.290
79-34-5	1,1,2,2-Tetrachloroethane	0.220	U	1.00	0.220
103-65-1	N-Propylbenzene	0.150	U	1.00	0.150
95-49-8	2-Chlorotoluene	0.130	U	1.00	0.130
106-43-4	4-Chlorotoluene	0.140	U	1.00	0.140
108-67-8	1,3,5-Trimethylbenzene	0.100	U	1.00	0.100
98-06-6	tert-Butylbenzene	0.0800	U	1.00	0.0800
99-87-6	p-Isopropyltoluene	0.100	U	1.00	0.100
95-63-6	1,2,4-Trimethylbenzene	0.140	U	1.00	0.140
135-98-8	sec-Butylbenzene	0.120	U	1.00	0.120
541-73-1	1,3-Dichlorobenzene	0.130	U	1.00	0.130
106-46-7	1,4-Dichlorobenzene	0.110	U	1.00	0.110
95-50-1	1,2-Dichlorobenzene	0.100	U	1.00	0.100
104-51-8	n-Butylbenzene	0.160	U	1.00	0.160
96-12-8	1,2-Dibromo-3-Chloropropane	0.810	U	1.00	0.810
120-82-1	1,2,4-Trichlorobenzene	0.310	U	1.00	0.310
87-68-3	Hexachlorobutadiene	0.170	U	1.00	0.170
91-20-3	Naphthalene	0.320	U	2.00	0.320
87-61-6	1,2,3-Trichlorobenzene	0.570	U	1.00	0.570

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	104		67-139
1868-53-7	Dibromofluoromethane	82		62-130
2037-26-5	Toluene-d8 (Surr)	94		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	84		50-134

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-90241-1

SDG No.: _____

Client Sample ID: ARTESIA-MW25-04082014 Lab Sample ID: 600-90241-7

Matrix: Water Lab File ID: C10216.D

Analysis Method: 8260B Date Collected: 04/08/2014 13:50

Sample wt/vol: 20 (mL) Date Analyzed: 04/12/2014 16:45

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 131912 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	0.120	U	1.00	0.120
74-87-3	Chloromethane	0.180	U	2.00	0.180
75-01-4	Vinyl chloride	0.110	U	2.00	0.110
74-83-9	Bromomethane	0.250	U	2.00	0.250
75-00-3	Chloroethane	0.0800	U	2.00	0.0800
75-69-4	Trichlorofluoromethane	0.0800	U	1.00	0.0800
75-35-4	1,1-Dichloroethene	0.190	U	1.00	0.190
156-60-5	trans-1,2-Dichloroethene	0.0900	U	1.00	0.0900
1634-04-4	Methyl tert-butyl ether	0.120	U	1.00	0.120
75-09-2	Methylene Chloride	0.150	U	5.00	0.150
156-59-2	cis-1,2-Dichloroethene	0.0721	J	1.00	0.0600
78-93-3	2-Butanone (MEK)	0.760	U	2.00	0.760
74-97-5	Bromochloromethane	0.180	U	1.00	0.180
56-23-5	Carbon tetrachloride	0.150	U	1.00	0.150
71-43-2	Benzene	0.0800	U	1.00	0.0800
107-06-2	1,2-Dichloroethane	0.230	J	1.00	0.140
79-01-6	Trichloroethene	2.85		1.00	0.180
71-55-6	1,1,1-Trichloroethane	0.150	U	1.00	0.150
75-34-3	1,1-Dichloroethane	4.36		1.00	0.110
78-87-5	1,2-Dichloropropane	0.160	U	1.00	0.160
594-20-7	2,2-Dichloropropane	0.130	U	1.00	0.130
74-95-3	Dibromomethane	0.520	U	1.00	0.520
67-66-3	Chloroform	0.130	U	1.00	0.130
75-27-4	Bromodichloromethane	0.160	U	1.00	0.160
110-75-8	2-Chloroethyl vinyl ether	0.500	U	2.00	0.500
563-58-6	1,1-Dichloropropene	0.210	U	1.00	0.210
10061-01-5	cis-1,3-Dichloropropene	0.180	U	1.00	0.180
108-88-3	Toluene	0.150	U	1.00	0.150
10061-02-6	trans-1,3-Dichloropropene	0.210	U	1.00	0.210
79-00-5	1,1,2-Trichloroethane	0.280	U	1.00	0.280
127-18-4	Tetrachloroethene	15.7		1.00	0.130
142-28-9	1,3-Dichloropropane	0.220	U	1.00	0.220
124-48-1	Chlorodibromomethane	0.150	U	1.00	0.150
106-93-4	1,2-Dibromoethane	0.180	U	1.00	0.180
108-90-7	Chlorobenzene	0.120	U	1.00	0.120
630-20-6	1,1,1,2-Tetrachloroethane	0.180	U	1.00	0.180

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-90241-1

SDG No.: _____

Client Sample ID: ARTESIA-MW25-04082014 Lab Sample ID: 600-90241-7

Matrix: Water Lab File ID: C10216.D

Analysis Method: 8260B Date Collected: 04/08/2014 13:50

Sample wt/vol: 20 (mL) Date Analyzed: 04/12/2014 16:45

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 131912 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	0.110	U	1.00	0.110
179601-23-1	m-Xylene & p-Xylene	0.170	U	1.00	0.170
1330-20-7	Xylenes, Total	0.260	U	1.00	0.260
95-47-6	o-Xylene	0.120	U	1.00	0.120
100-42-5	Styrene	0.0700	U	1.00	0.0700
75-25-2	Bromoform	0.190	U	1.00	0.190
98-82-8	Isopropylbenzene	0.180	U	1.00	0.180
108-86-1	Bromobenzene	0.190	U	1.00	0.190
96-18-4	1,2,3-Trichloropropane	0.290	U	1.00	0.290
79-34-5	1,1,2,2-Tetrachloroethane	0.220	U	1.00	0.220
103-65-1	N-Propylbenzene	0.150	U	1.00	0.150
95-49-8	2-Chlorotoluene	0.130	U	1.00	0.130
106-43-4	4-Chlorotoluene	0.140	U	1.00	0.140
108-67-8	1,3,5-Trimethylbenzene	0.100	U	1.00	0.100
98-06-6	tert-Butylbenzene	0.0800	U	1.00	0.0800
99-87-6	p-Isopropyltoluene	0.100	U	1.00	0.100
95-63-6	1,2,4-Trimethylbenzene	0.140	U	1.00	0.140
135-98-8	sec-Butylbenzene	0.120	U	1.00	0.120
541-73-1	1,3-Dichlorobenzene	0.130	U	1.00	0.130
106-46-7	1,4-Dichlorobenzene	0.110	U	1.00	0.110
95-50-1	1,2-Dichlorobenzene	0.100	U	1.00	0.100
104-51-8	n-Butylbenzene	0.160	U	1.00	0.160
96-12-8	1,2-Dibromo-3-Chloropropane	0.810	U	1.00	0.810
120-82-1	1,2,4-Trichlorobenzene	0.310	U	1.00	0.310
87-68-3	Hexachlorobutadiene	0.170	U	1.00	0.170
91-20-3	Naphthalene	0.320	U	2.00	0.320
87-61-6	1,2,3-Trichlorobenzene	0.570	U	1.00	0.570

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	106		67-139
1868-53-7	Dibromofluoromethane	87		62-130
2037-26-5	Toluene-d8 (Surr)	94		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	89		50-134

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-90241-1

SDG No.: _____

Client Sample ID: ARTESIA-MW26-04082014 Lab Sample ID: 600-90241-8

Matrix: Water Lab File ID: C10217.D

Analysis Method: 8260B Date Collected: 04/08/2014 15:05

Sample wt/vol: 20 (mL) Date Analyzed: 04/12/2014 17:10

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 131912 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	0.120	U	1.00	0.120
74-87-3	Chloromethane	0.180	U	2.00	0.180
75-01-4	Vinyl chloride	0.110	U	2.00	0.110
74-83-9	Bromomethane	0.250	U	2.00	0.250
75-00-3	Chloroethane	0.0800	U	2.00	0.0800
75-69-4	Trichlorofluoromethane	0.0800	U	1.00	0.0800
75-35-4	1,1-Dichloroethene	1.10		1.00	0.190
156-60-5	trans-1,2-Dichloroethene	0.0900	U	1.00	0.0900
1634-04-4	Methyl tert-butyl ether	0.120	U	1.00	0.120
75-09-2	Methylene Chloride	0.150	U	5.00	0.150
156-59-2	cis-1,2-Dichloroethene	0.0600	U	1.00	0.0600
78-93-3	2-Butanone (MEK)	0.760	U	2.00	0.760
74-97-5	Bromochloromethane	0.180	U	1.00	0.180
56-23-5	Carbon tetrachloride	0.150	U	1.00	0.150
71-43-2	Benzene	0.0800	U	1.00	0.0800
107-06-2	1,2-Dichloroethane	0.147	J	1.00	0.140
79-01-6	Trichloroethene	0.369	J	1.00	0.180
71-55-6	1,1,1-Trichloroethane	0.150	U	1.00	0.150
75-34-3	1,1-Dichloroethane	0.219	J	1.00	0.110
78-87-5	1,2-Dichloropropane	0.160	U	1.00	0.160
594-20-7	2,2-Dichloropropane	0.130	U	1.00	0.130
74-95-3	Dibromomethane	0.520	U	1.00	0.520
67-66-3	Chloroform	0.130	U	1.00	0.130
75-27-4	Bromodichloromethane	0.160	U	1.00	0.160
110-75-8	2-Chloroethyl vinyl ether	0.500	U	2.00	0.500
563-58-6	1,1-Dichloropropene	0.210	U	1.00	0.210
10061-01-5	cis-1,3-Dichloropropene	0.180	U	1.00	0.180
108-88-3	Toluene	0.150	U	1.00	0.150
10061-02-6	trans-1,3-Dichloropropene	0.210	U	1.00	0.210
79-00-5	1,1,2-Trichloroethane	0.280	U	1.00	0.280
127-18-4	Tetrachloroethene	0.959	J	1.00	0.130
142-28-9	1,3-Dichloropropane	0.220	U	1.00	0.220
124-48-1	Chlorodibromomethane	0.150	U	1.00	0.150
106-93-4	1,2-Dibromoethane	0.180	U	1.00	0.180
108-90-7	Chlorobenzene	0.120	U	1.00	0.120
630-20-6	1,1,1,2-Tetrachloroethane	0.180	U	1.00	0.180

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-90241-1

SDG No.: _____

Client Sample ID: ARTESIA-MW26-04082014 Lab Sample ID: 600-90241-8

Matrix: Water Lab File ID: C10217.D

Analysis Method: 8260B Date Collected: 04/08/2014 15:05

Sample wt/vol: 20 (mL) Date Analyzed: 04/12/2014 17:10

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 131912 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	0.110	U	1.00	0.110
179601-23-1	m-Xylene & p-Xylene	0.170	U	1.00	0.170
1330-20-7	Xylenes, Total	0.260	U	1.00	0.260
95-47-6	o-Xylene	0.120	U	1.00	0.120
100-42-5	Styrene	0.0700	U	1.00	0.0700
75-25-2	Bromoform	0.190	U	1.00	0.190
98-82-8	Isopropylbenzene	0.180	U	1.00	0.180
108-86-1	Bromobenzene	0.190	U	1.00	0.190
96-18-4	1,2,3-Trichloropropane	0.290	U	1.00	0.290
79-34-5	1,1,2,2-Tetrachloroethane	0.220	U	1.00	0.220
103-65-1	N-Propylbenzene	0.150	U	1.00	0.150
95-49-8	2-Chlorotoluene	0.130	U	1.00	0.130
106-43-4	4-Chlorotoluene	0.140	U	1.00	0.140
108-67-8	1,3,5-Trimethylbenzene	0.100	U	1.00	0.100
98-06-6	tert-Butylbenzene	0.0800	U	1.00	0.0800
99-87-6	p-Isopropyltoluene	0.100	U	1.00	0.100
95-63-6	1,2,4-Trimethylbenzene	0.140	U	1.00	0.140
135-98-8	sec-Butylbenzene	0.120	U	1.00	0.120
541-73-1	1,3-Dichlorobenzene	0.130	U	1.00	0.130
106-46-7	1,4-Dichlorobenzene	0.110	U	1.00	0.110
95-50-1	1,2-Dichlorobenzene	0.100	U	1.00	0.100
104-51-8	n-Butylbenzene	0.160	U	1.00	0.160
96-12-8	1,2-Dibromo-3-Chloropropane	0.810	U	1.00	0.810
120-82-1	1,2,4-Trichlorobenzene	0.310	U	1.00	0.310
87-68-3	Hexachlorobutadiene	0.170	U	1.00	0.170
91-20-3	Naphthalene	0.320	U	2.00	0.320
87-61-6	1,2,3-Trichlorobenzene	0.570	U	1.00	0.570

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	107		67-139
1868-53-7	Dibromofluoromethane	89		62-130
2037-26-5	Toluene-d8 (Surr)	100		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	91		50-134

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-90241-1

SDG No.: _____

Client Sample ID: ARTESIA-DUP01-04082014 Lab Sample ID: 600-90241-9

Matrix: Water Lab File ID: C10218.D

Analysis Method: 8260B Date Collected: 04/08/2014 17:00

Sample wt/vol: 20 (mL) Date Analyzed: 04/12/2014 17:36

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 131912 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	0.120	U	1.00	0.120
74-87-3	Chloromethane	0.180	U	2.00	0.180
75-01-4	Vinyl chloride	0.110	U	2.00	0.110
74-83-9	Bromomethane	0.250	U	2.00	0.250
75-00-3	Chloroethane	0.0800	U	2.00	0.0800
75-69-4	Trichlorofluoromethane	0.0800	U	1.00	0.0800
75-35-4	1,1-Dichloroethene	1.18		1.00	0.190
156-60-5	trans-1,2-Dichloroethene	0.0900	U	1.00	0.0900
1634-04-4	Methyl tert-butyl ether	0.120	U	1.00	0.120
75-09-2	Methylene Chloride	0.150	U	5.00	0.150
156-59-2	cis-1,2-Dichloroethene	0.0600	U	1.00	0.0600
78-93-3	2-Butanone (MEK)	0.760	U	2.00	0.760
74-97-5	Bromochloromethane	0.180	U	1.00	0.180
56-23-5	Carbon tetrachloride	0.150	U	1.00	0.150
71-43-2	Benzene	0.0800	U	1.00	0.0800
107-06-2	1,2-Dichloroethane	0.148	J	1.00	0.140
79-01-6	Trichloroethene	0.381	J	1.00	0.180
71-55-6	1,1,1-Trichloroethane	0.150	U	1.00	0.150
75-34-3	1,1-Dichloroethane	0.219	J	1.00	0.110
78-87-5	1,2-Dichloropropane	0.160	U	1.00	0.160
594-20-7	2,2-Dichloropropane	0.130	U	1.00	0.130
74-95-3	Dibromomethane	0.520	U	1.00	0.520
67-66-3	Chloroform	0.130	U	1.00	0.130
75-27-4	Bromodichloromethane	0.160	U	1.00	0.160
110-75-8	2-Chloroethyl vinyl ether	0.500	U	2.00	0.500
563-58-6	1,1-Dichloropropene	0.210	U	1.00	0.210
10061-01-5	cis-1,3-Dichloropropene	0.180	U	1.00	0.180
108-88-3	Toluene	0.150	U	1.00	0.150
10061-02-6	trans-1,3-Dichloropropene	0.210	U	1.00	0.210
79-00-5	1,1,2-Trichloroethane	0.280	U	1.00	0.280
127-18-4	Tetrachloroethene	0.937	J	1.00	0.130
142-28-9	1,3-Dichloropropane	0.220	U	1.00	0.220
124-48-1	Chlorodibromomethane	0.150	U	1.00	0.150
106-93-4	1,2-Dibromoethane	0.180	U	1.00	0.180
108-90-7	Chlorobenzene	0.120	U	1.00	0.120
630-20-6	1,1,1,2-Tetrachloroethane	0.180	U	1.00	0.180

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-90241-1

SDG No.: _____

Client Sample ID: ARTESIA-DUP01-04082014 Lab Sample ID: 600-90241-9

Matrix: Water Lab File ID: C10218.D

Analysis Method: 8260B Date Collected: 04/08/2014 17:00

Sample wt/vol: 20 (mL) Date Analyzed: 04/12/2014 17:36

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 131912 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	0.110	U	1.00	0.110
179601-23-1	m-Xylene & p-Xylene	0.170	U	1.00	0.170
1330-20-7	Xylenes, Total	0.260	U	1.00	0.260
95-47-6	o-Xylene	0.120	U	1.00	0.120
100-42-5	Styrene	0.0700	U	1.00	0.0700
75-25-2	Bromoform	0.190	U	1.00	0.190
98-82-8	Isopropylbenzene	0.180	U	1.00	0.180
108-86-1	Bromobenzene	0.190	U	1.00	0.190
96-18-4	1,2,3-Trichloropropane	0.290	U	1.00	0.290
79-34-5	1,1,2,2-Tetrachloroethane	0.220	U	1.00	0.220
103-65-1	N-Propylbenzene	0.150	U	1.00	0.150
95-49-8	2-Chlorotoluene	0.130	U	1.00	0.130
106-43-4	4-Chlorotoluene	0.140	U	1.00	0.140
108-67-8	1,3,5-Trimethylbenzene	0.100	U	1.00	0.100
98-06-6	tert-Butylbenzene	0.0800	U	1.00	0.0800
99-87-6	p-Isopropyltoluene	0.100	U	1.00	0.100
95-63-6	1,2,4-Trimethylbenzene	0.140	U	1.00	0.140
135-98-8	sec-Butylbenzene	0.120	U	1.00	0.120
541-73-1	1,3-Dichlorobenzene	0.130	U	1.00	0.130
106-46-7	1,4-Dichlorobenzene	0.110	U	1.00	0.110
95-50-1	1,2-Dichlorobenzene	0.100	U	1.00	0.100
104-51-8	n-Butylbenzene	0.160	U	1.00	0.160
96-12-8	1,2-Dibromo-3-Chloropropane	0.810	U	1.00	0.810
120-82-1	1,2,4-Trichlorobenzene	0.310	U	1.00	0.310
87-68-3	Hexachlorobutadiene	0.170	U	1.00	0.170
91-20-3	Naphthalene	0.320	U	2.00	0.320
87-61-6	1,2,3-Trichlorobenzene	0.570	U	1.00	0.570

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	100		67-139
1868-53-7	Dibromofluoromethane	88		62-130
2037-26-5	Toluene-d8 (Surr)	97		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	89		50-134

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-90241-1

SDG No.: _____

Client Sample ID: ARTESIA-MW28-04082014 Lab Sample ID: 600-90241-10

Matrix: Water Lab File ID: C10219.D

Analysis Method: 8260B Date Collected: 04/08/2014 15:45

Sample wt/vol: 20 (mL) Date Analyzed: 04/12/2014 18:01

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 131912 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	0.120	U	1.00	0.120
74-87-3	Chloromethane	0.180	U	2.00	0.180
75-01-4	Vinyl chloride	0.110	U	2.00	0.110
74-83-9	Bromomethane	0.250	U	2.00	0.250
75-00-3	Chloroethane	0.0800	U	2.00	0.0800
75-69-4	Trichlorofluoromethane	0.0800	U	1.00	0.0800
75-35-4	1,1-Dichloroethene	24.1		1.00	0.190
156-60-5	trans-1,2-Dichloroethene	0.0900	U	1.00	0.0900
1634-04-4	Methyl tert-butyl ether	0.678	J	1.00	0.120
75-09-2	Methylene Chloride	0.150	U	5.00	0.150
156-59-2	cis-1,2-Dichloroethene	0.441	J	1.00	0.0600
78-93-3	2-Butanone (MEK)	0.760	U	2.00	0.760
74-97-5	Bromochloromethane	0.180	U	1.00	0.180
56-23-5	Carbon tetrachloride	0.150	U	1.00	0.150
71-43-2	Benzene	0.0800	U	1.00	0.0800
107-06-2	1,2-Dichloroethane	0.322	J	1.00	0.140
79-01-6	Trichloroethene	7.21		1.00	0.180
71-55-6	1,1,1-Trichloroethane	0.150	U	1.00	0.150
75-34-3	1,1-Dichloroethane	8.15		1.00	0.110
78-87-5	1,2-Dichloropropane	0.160	U	1.00	0.160
594-20-7	2,2-Dichloropropane	0.130	U	1.00	0.130
74-95-3	Dibromomethane	0.520	U	1.00	0.520
67-66-3	Chloroform	0.130	U	1.00	0.130
75-27-4	Bromodichloromethane	0.160	U	1.00	0.160
110-75-8	2-Chloroethyl vinyl ether	0.500	U	2.00	0.500
563-58-6	1,1-Dichloropropene	0.210	U	1.00	0.210
10061-01-5	cis-1,3-Dichloropropene	0.180	U	1.00	0.180
108-88-3	Toluene	0.150	U	1.00	0.150
10061-02-6	trans-1,3-Dichloropropene	0.210	U	1.00	0.210
79-00-5	1,1,2-Trichloroethane	0.280	U	1.00	0.280
127-18-4	Tetrachloroethene	26.3		1.00	0.130
142-28-9	1,3-Dichloropropane	0.220	U	1.00	0.220
124-48-1	Chlorodibromomethane	0.150	U	1.00	0.150
106-93-4	1,2-Dibromoethane	0.180	U	1.00	0.180
108-90-7	Chlorobenzene	0.120	U	1.00	0.120
630-20-6	1,1,1,2-Tetrachloroethane	0.180	U	1.00	0.180

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-90241-1

SDG No.: _____

Client Sample ID: ARTESIA-MW28-04082014 Lab Sample ID: 600-90241-10

Matrix: Water Lab File ID: C10219.D

Analysis Method: 8260B Date Collected: 04/08/2014 15:45

Sample wt/vol: 20 (mL) Date Analyzed: 04/12/2014 18:01

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 131912 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	0.110	U	1.00	0.110
179601-23-1	m-Xylene & p-Xylene	0.170	U	1.00	0.170
1330-20-7	Xylenes, Total	0.260	U	1.00	0.260
95-47-6	o-Xylene	0.120	U	1.00	0.120
100-42-5	Styrene	0.0700	U	1.00	0.0700
75-25-2	Bromoform	0.190	U	1.00	0.190
98-82-8	Isopropylbenzene	0.180	U	1.00	0.180
108-86-1	Bromobenzene	0.190	U	1.00	0.190
96-18-4	1,2,3-Trichloropropane	0.290	U	1.00	0.290
79-34-5	1,1,2,2-Tetrachloroethane	0.220	U	1.00	0.220
103-65-1	N-Propylbenzene	0.150	U	1.00	0.150
95-49-8	2-Chlorotoluene	0.130	U	1.00	0.130
106-43-4	4-Chlorotoluene	0.140	U	1.00	0.140
108-67-8	1,3,5-Trimethylbenzene	0.100	U	1.00	0.100
98-06-6	tert-Butylbenzene	0.0800	U	1.00	0.0800
99-87-6	p-Isopropyltoluene	0.100	U	1.00	0.100
95-63-6	1,2,4-Trimethylbenzene	0.140	U	1.00	0.140
135-98-8	sec-Butylbenzene	0.120	U	1.00	0.120
541-73-1	1,3-Dichlorobenzene	0.130	U	1.00	0.130
106-46-7	1,4-Dichlorobenzene	0.110	U	1.00	0.110
95-50-1	1,2-Dichlorobenzene	0.100	U	1.00	0.100
104-51-8	n-Butylbenzene	0.160	U	1.00	0.160
96-12-8	1,2-Dibromo-3-Chloropropane	0.810	U	1.00	0.810
120-82-1	1,2,4-Trichlorobenzene	0.310	U	1.00	0.310
87-68-3	Hexachlorobutadiene	0.170	U	1.00	0.170
91-20-3	Naphthalene	0.320	U	2.00	0.320
87-61-6	1,2,3-Trichlorobenzene	0.570	U	1.00	0.570

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	105		67-139
1868-53-7	Dibromofluoromethane	89		62-130
2037-26-5	Toluene-d8 (Surr)	93		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	91		50-134

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-90241-1

SDG No.: _____

Client Sample ID: ARTESIA-MW30-04082014 Lab Sample ID: 600-90241-11

Matrix: Water Lab File ID: C10220.D

Analysis Method: 8260B Date Collected: 04/08/2014 16:40

Sample wt/vol: 20 (mL) Date Analyzed: 04/12/2014 18:26

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 131912 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	0.120	U	1.00	0.120
74-87-3	Chloromethane	0.180	U	2.00	0.180
75-01-4	Vinyl chloride	0.110	U	2.00	0.110
74-83-9	Bromomethane	0.250	U	2.00	0.250
75-00-3	Chloroethane	0.0800	U	2.00	0.0800
75-69-4	Trichlorofluoromethane	0.0800	U	1.00	0.0800
75-35-4	1,1-Dichloroethene	32.2		1.00	0.190
156-60-5	trans-1,2-Dichloroethene	0.0900	U	1.00	0.0900
1634-04-4	Methyl tert-butyl ether	0.120	U	1.00	0.120
75-09-2	Methylene Chloride	0.150	U	5.00	0.150
156-59-2	cis-1,2-Dichloroethene	0.205	J	1.00	0.0600
78-93-3	2-Butanone (MEK)	0.760	U	2.00	0.760
74-97-5	Bromochloromethane	0.180	U	1.00	0.180
56-23-5	Carbon tetrachloride	0.150	U	1.00	0.150
71-43-2	Benzene	0.0842	J	1.00	0.0800
107-06-2	1,2-Dichloroethane	0.366	J	1.00	0.140
79-01-6	Trichloroethene	8.22		1.00	0.180
71-55-6	1,1,1-Trichloroethane	0.150	U	1.00	0.150
75-34-3	1,1-Dichloroethane	9.30		1.00	0.110
78-87-5	1,2-Dichloropropane	0.160	U	1.00	0.160
594-20-7	2,2-Dichloropropane	0.130	U	1.00	0.130
74-95-3	Dibromomethane	0.520	U	1.00	0.520
67-66-3	Chloroform	0.142	J	1.00	0.130
75-27-4	Bromodichloromethane	0.160	U	1.00	0.160
110-75-8	2-Chloroethyl vinyl ether	0.500	U	2.00	0.500
563-58-6	1,1-Dichloropropene	0.210	U	1.00	0.210
10061-01-5	cis-1,3-Dichloropropene	0.180	U	1.00	0.180
108-88-3	Toluene	0.150	U	1.00	0.150
10061-02-6	trans-1,3-Dichloropropene	0.210	U	1.00	0.210
79-00-5	1,1,2-Trichloroethane	0.280	U	1.00	0.280
127-18-4	Tetrachloroethene	41.3		1.00	0.130
142-28-9	1,3-Dichloropropane	0.220	U	1.00	0.220
124-48-1	Chlorodibromomethane	0.150	U	1.00	0.150
106-93-4	1,2-Dibromoethane	0.180	U	1.00	0.180
108-90-7	Chlorobenzene	0.120	U	1.00	0.120
630-20-6	1,1,1,2-Tetrachloroethane	0.180	U	1.00	0.180

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-90241-1

SDG No.: _____

Client Sample ID: ARTESIA-MW30-04082014 Lab Sample ID: 600-90241-11

Matrix: Water Lab File ID: C10220.D

Analysis Method: 8260B Date Collected: 04/08/2014 16:40

Sample wt/vol: 20 (mL) Date Analyzed: 04/12/2014 18:26

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 131912 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	0.110	U	1.00	0.110
179601-23-1	m-Xylene & p-Xylene	0.170	U	1.00	0.170
1330-20-7	Xylenes, Total	0.260	U	1.00	0.260
95-47-6	o-Xylene	0.120	U	1.00	0.120
100-42-5	Styrene	0.0700	U	1.00	0.0700
75-25-2	Bromoform	0.190	U	1.00	0.190
98-82-8	Isopropylbenzene	0.180	U	1.00	0.180
108-86-1	Bromobenzene	0.190	U	1.00	0.190
96-18-4	1,2,3-Trichloropropane	0.290	U	1.00	0.290
79-34-5	1,1,2,2-Tetrachloroethane	0.220	U	1.00	0.220
103-65-1	N-Propylbenzene	0.150	U	1.00	0.150
95-49-8	2-Chlorotoluene	0.130	U	1.00	0.130
106-43-4	4-Chlorotoluene	0.140	U	1.00	0.140
108-67-8	1,3,5-Trimethylbenzene	0.100	U	1.00	0.100
98-06-6	tert-Butylbenzene	0.0800	U	1.00	0.0800
99-87-6	p-Isopropyltoluene	0.100	U	1.00	0.100
95-63-6	1,2,4-Trimethylbenzene	0.140	U	1.00	0.140
135-98-8	sec-Butylbenzene	0.120	U	1.00	0.120
541-73-1	1,3-Dichlorobenzene	0.130	U	1.00	0.130
106-46-7	1,4-Dichlorobenzene	0.110	U	1.00	0.110
95-50-1	1,2-Dichlorobenzene	0.100	U	1.00	0.100
104-51-8	n-Butylbenzene	0.160	U	1.00	0.160
96-12-8	1,2-Dibromo-3-Chloropropane	0.810	U	1.00	0.810
120-82-1	1,2,4-Trichlorobenzene	0.310	U	1.00	0.310
87-68-3	Hexachlorobutadiene	0.170	U	1.00	0.170
91-20-3	Naphthalene	0.320	U	2.00	0.320
87-61-6	1,2,3-Trichlorobenzene	0.570	U	1.00	0.570

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	105		67-139
1868-53-7	Dibromofluoromethane	90		62-130
2037-26-5	Toluene-d8 (Surr)	94		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	94		50-134

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-90241-1

SDG No.: _____

Client Sample ID: ARTESIA-MW30-04082014 MS Lab Sample ID: 600-90241-12

Matrix: Water Lab File ID: C10221.D

Analysis Method: 8260B Date Collected: 04/08/2014 16:40

Sample wt/vol: 20 (mL) Date Analyzed: 04/12/2014 18:52

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 131912 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	0.120	U	1.00	0.120
74-87-3	Chloromethane	0.180	U	2.00	0.180
75-01-4	Vinyl chloride	0.110	U	2.00	0.110
74-83-9	Bromomethane	0.250	U	2.00	0.250
75-00-3	Chloroethane	0.0800	U	2.00	0.0800
75-69-4	Trichlorofluoromethane	0.0800	U	1.00	0.0800
75-35-4	1,1-Dichloroethene	33.1		1.00	0.190
156-60-5	trans-1,2-Dichloroethene	0.0900	U	1.00	0.0900
1634-04-4	Methyl tert-butyl ether	0.120	U	1.00	0.120
75-09-2	Methylene Chloride	0.150	U	5.00	0.150
156-59-2	cis-1,2-Dichloroethene	0.211	J	1.00	0.0600
78-93-3	2-Butanone (MEK)	0.760	U	2.00	0.760
74-97-5	Bromochloromethane	0.180	U	1.00	0.180
56-23-5	Carbon tetrachloride	0.150	U	1.00	0.150
71-43-2	Benzene	0.0800	U	1.00	0.0800
107-06-2	1,2-Dichloroethane	0.367	J	1.00	0.140
79-01-6	Trichloroethene	8.62		1.00	0.180
71-55-6	1,1,1-Trichloroethane	0.150	U	1.00	0.150
75-34-3	1,1-Dichloroethane	9.43		1.00	0.110
78-87-5	1,2-Dichloropropane	0.160	U	1.00	0.160
594-20-7	2,2-Dichloropropane	0.130	U	1.00	0.130
74-95-3	Dibromomethane	0.520	U	1.00	0.520
67-66-3	Chloroform	0.148	J	1.00	0.130
75-27-4	Bromodichloromethane	0.160	U	1.00	0.160
110-75-8	2-Chloroethyl vinyl ether	0.500	U	2.00	0.500
563-58-6	1,1-Dichloropropene	0.210	U	1.00	0.210
10061-01-5	cis-1,3-Dichloropropene	0.180	U	1.00	0.180
108-88-3	Toluene	0.150	U	1.00	0.150
10061-02-6	trans-1,3-Dichloropropene	0.210	U	1.00	0.210
79-00-5	1,1,2-Trichloroethane	0.280	U	1.00	0.280
127-18-4	Tetrachloroethene	43.4		1.00	0.130
142-28-9	1,3-Dichloropropane	0.220	U	1.00	0.220
124-48-1	Chlorodibromomethane	0.150	U	1.00	0.150
106-93-4	1,2-Dibromoethane	0.180	U	1.00	0.180
108-90-7	Chlorobenzene	0.120	U	1.00	0.120
630-20-6	1,1,1,2-Tetrachloroethane	0.180	U	1.00	0.180

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-90241-1

SDG No.: _____

Client Sample ID: ARTESIA-MW30-04082014 MS Lab Sample ID: 600-90241-12

Matrix: Water Lab File ID: C10221.D

Analysis Method: 8260B Date Collected: 04/08/2014 16:40

Sample wt/vol: 20 (mL) Date Analyzed: 04/12/2014 18:52

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 131912 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	0.110	U	1.00	0.110
179601-23-1	m-Xylene & p-Xylene	0.170	U	1.00	0.170
1330-20-7	Xylenes, Total	0.260	U	1.00	0.260
95-47-6	o-Xylene	0.120	U	1.00	0.120
100-42-5	Styrene	0.0700	U	1.00	0.0700
75-25-2	Bromoform	0.190	U	1.00	0.190
98-82-8	Isopropylbenzene	0.180	U	1.00	0.180
108-86-1	Bromobenzene	0.190	U	1.00	0.190
96-18-4	1,2,3-Trichloropropane	0.290	U	1.00	0.290
79-34-5	1,1,2,2-Tetrachloroethane	0.220	U	1.00	0.220
103-65-1	N-Propylbenzene	0.150	U	1.00	0.150
95-49-8	2-Chlorotoluene	0.130	U	1.00	0.130
106-43-4	4-Chlorotoluene	0.140	U	1.00	0.140
108-67-8	1,3,5-Trimethylbenzene	0.100	U	1.00	0.100
98-06-6	tert-Butylbenzene	0.0800	U	1.00	0.0800
99-87-6	p-Isopropyltoluene	0.100	U	1.00	0.100
95-63-6	1,2,4-Trimethylbenzene	0.140	U	1.00	0.140
135-98-8	sec-Butylbenzene	0.120	U	1.00	0.120
541-73-1	1,3-Dichlorobenzene	0.130	U	1.00	0.130
106-46-7	1,4-Dichlorobenzene	0.110	U	1.00	0.110
95-50-1	1,2-Dichlorobenzene	0.100	U	1.00	0.100
104-51-8	n-Butylbenzene	0.160	U	1.00	0.160
96-12-8	1,2-Dibromo-3-Chloropropane	0.810	U	1.00	0.810
120-82-1	1,2,4-Trichlorobenzene	0.310	U	1.00	0.310
87-68-3	Hexachlorobutadiene	0.170	U	1.00	0.170
91-20-3	Naphthalene	0.320	U	2.00	0.320
87-61-6	1,2,3-Trichlorobenzene	0.570	U	1.00	0.570

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	99		67-139
1868-53-7	Dibromofluoromethane	88		62-130
2037-26-5	Toluene-d8 (Surr)	90		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	89		50-134

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-90241-1

SDG No.: _____

Client Sample ID: ARTESIA-MW30-04082014 MSD Lab Sample ID: 600-90241-13

Matrix: Water Lab File ID: C10209.D

Analysis Method: 8260B Date Collected: 04/08/2014 16:40

Sample wt/vol: 20 (mL) Date Analyzed: 04/12/2014 13:43

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 131912 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	0.120	U	1.00	0.120
74-87-3	Chloromethane	0.180	U	2.00	0.180
75-01-4	Vinyl chloride	0.110	U	2.00	0.110
74-83-9	Bromomethane	0.250	U	2.00	0.250
75-00-3	Chloroethane	0.0800	U	2.00	0.0800
75-69-4	Trichlorofluoromethane	0.0800	U	1.00	0.0800
75-35-4	1,1-Dichloroethene	0.190	U	1.00	0.190
156-60-5	trans-1,2-Dichloroethene	0.0900	U	1.00	0.0900
1634-04-4	Methyl tert-butyl ether	0.120	U	1.00	0.120
75-09-2	Methylene Chloride	0.150	U	5.00	0.150
156-59-2	cis-1,2-Dichloroethene	0.197	J	1.00	0.0600
78-93-3	2-Butanone (MEK)	0.760	U	2.00	0.760
74-97-5	Bromochloromethane	0.180	U	1.00	0.180
56-23-5	Carbon tetrachloride	0.150	U	1.00	0.150
71-43-2	Benzene	0.0855	J	1.00	0.0800
107-06-2	1,2-Dichloroethane	0.354	J	1.00	0.140
79-01-6	Trichloroethene	7.70		1.00	0.180
71-55-6	1,1,1-Trichloroethane	0.150	U	1.00	0.150
75-34-3	1,1-Dichloroethane	8.56		1.00	0.110
78-87-5	1,2-Dichloropropane	0.160	U	1.00	0.160
594-20-7	2,2-Dichloropropane	0.130	U	1.00	0.130
74-95-3	Dibromomethane	0.520	U	1.00	0.520
67-66-3	Chloroform	0.131	J	1.00	0.130
75-27-4	Bromodichloromethane	0.160	U	1.00	0.160
110-75-8	2-Chloroethyl vinyl ether	0.500	U	2.00	0.500
563-58-6	1,1-Dichloropropene	0.210	U	1.00	0.210
10061-01-5	cis-1,3-Dichloropropene	0.180	U	1.00	0.180
108-88-3	Toluene	0.150	U	1.00	0.150
10061-02-6	trans-1,3-Dichloropropene	0.210	U	1.00	0.210
79-00-5	1,1,2-Trichloroethane	0.280	U	1.00	0.280
127-18-4	Tetrachloroethene	38.6		1.00	0.130
142-28-9	1,3-Dichloropropane	0.220	U	1.00	0.220
124-48-1	Chlorodibromomethane	0.150	U	1.00	0.150
106-93-4	1,2-Dibromoethane	0.180	U	1.00	0.180
108-90-7	Chlorobenzene	0.120	U	1.00	0.120
630-20-6	1,1,1,2-Tetrachloroethane	0.180	U	1.00	0.180

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-90241-1

SDG No.: _____

Client Sample ID: ARTESIA-MW30-04082014 MSD Lab Sample ID: 600-90241-13

Matrix: Water Lab File ID: C10209.D

Analysis Method: 8260B Date Collected: 04/08/2014 16:40

Sample wt/vol: 20 (mL) Date Analyzed: 04/12/2014 13:43

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 131912 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	0.110	U	1.00	0.110
179601-23-1	m-Xylene & p-Xylene	0.170	U	1.00	0.170
1330-20-7	Xylenes, Total	0.260	U	1.00	0.260
95-47-6	o-Xylene	0.120	U	1.00	0.120
100-42-5	Styrene	0.0700	U	1.00	0.0700
75-25-2	Bromoform	0.190	U	1.00	0.190
98-82-8	Isopropylbenzene	0.180	U	1.00	0.180
108-86-1	Bromobenzene	0.190	U	1.00	0.190
96-18-4	1,2,3-Trichloropropane	0.290	U	1.00	0.290
79-34-5	1,1,2,2-Tetrachloroethane	0.220	U	1.00	0.220
103-65-1	N-Propylbenzene	0.150	U	1.00	0.150
95-49-8	2-Chlorotoluene	0.130	U	1.00	0.130
106-43-4	4-Chlorotoluene	0.140	U	1.00	0.140
108-67-8	1,3,5-Trimethylbenzene	0.100	U	1.00	0.100
98-06-6	tert-Butylbenzene	0.0800	U	1.00	0.0800
99-87-6	p-Isopropyltoluene	0.100	U	1.00	0.100
95-63-6	1,2,4-Trimethylbenzene	0.140	U	1.00	0.140
135-98-8	sec-Butylbenzene	0.120	U	1.00	0.120
541-73-1	1,3-Dichlorobenzene	0.130	U	1.00	0.130
106-46-7	1,4-Dichlorobenzene	0.110	U	1.00	0.110
95-50-1	1,2-Dichlorobenzene	0.100	U	1.00	0.100
104-51-8	n-Butylbenzene	0.160	U	1.00	0.160
96-12-8	1,2-Dibromo-3-Chloropropane	0.810	U	1.00	0.810
120-82-1	1,2,4-Trichlorobenzene	0.310	U	1.00	0.310
87-68-3	Hexachlorobutadiene	0.170	U	1.00	0.170
91-20-3	Naphthalene	0.320	U	2.00	0.320
87-61-6	1,2,3-Trichlorobenzene	0.570	U	1.00	0.570

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	108		67-139
1868-53-7	Dibromofluoromethane	81		62-130
2037-26-5	Toluene-d8 (Surr)	94		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	82		50-134

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-90241-1

SDG No.: _____

Client Sample ID: ARTESIA-MW32-04082014 Lab Sample ID: 600-90241-14

Matrix: Water Lab File ID: C10210.D

Analysis Method: 8260B Date Collected: 04/08/2014 17:25

Sample wt/vol: 20 (mL) Date Analyzed: 04/12/2014 14:08

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 131912 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	0.120	U	1.00	0.120
74-87-3	Chloromethane	0.180	U	2.00	0.180
75-01-4	Vinyl chloride	0.110	U	2.00	0.110
74-83-9	Bromomethane	0.250	U	2.00	0.250
75-00-3	Chloroethane	0.0800	U	2.00	0.0800
75-69-4	Trichlorofluoromethane	0.0800	U	1.00	0.0800
75-35-4	1,1-Dichloroethene	3.55		1.00	0.190
156-60-5	trans-1,2-Dichloroethene	0.0900	U	1.00	0.0900
1634-04-4	Methyl tert-butyl ether	0.120	U	1.00	0.120
75-09-2	Methylene Chloride	0.150	U	5.00	0.150
156-59-2	cis-1,2-Dichloroethene	0.0600	U	1.00	0.0600
78-93-3	2-Butanone (MEK)	0.760	U	2.00	0.760
74-97-5	Bromochloromethane	0.180	U	1.00	0.180
56-23-5	Carbon tetrachloride	0.150	U	1.00	0.150
71-43-2	Benzene	0.0800	U	1.00	0.0800
107-06-2	1,2-Dichloroethane	0.140	U	1.00	0.140
79-01-6	Trichloroethene	0.963	J	1.00	0.180
71-55-6	1,1,1-Trichloroethane	0.150	U	1.00	0.150
75-34-3	1,1-Dichloroethane	0.890	J	1.00	0.110
78-87-5	1,2-Dichloropropane	0.160	U	1.00	0.160
594-20-7	2,2-Dichloropropane	0.130	U	1.00	0.130
74-95-3	Dibromomethane	0.520	U	1.00	0.520
67-66-3	Chloroform	0.130	U	1.00	0.130
75-27-4	Bromodichloromethane	0.160	U	1.00	0.160
110-75-8	2-Chloroethyl vinyl ether	0.500	U	2.00	0.500
563-58-6	1,1-Dichloropropene	0.210	U	1.00	0.210
10061-01-5	cis-1,3-Dichloropropene	0.180	U	1.00	0.180
108-88-3	Toluene	0.150	U	1.00	0.150
10061-02-6	trans-1,3-Dichloropropene	0.210	U	1.00	0.210
79-00-5	1,1,2-Trichloroethane	0.280	U	1.00	0.280
127-18-4	Tetrachloroethene	5.38		1.00	0.130
142-28-9	1,3-Dichloropropane	0.220	U	1.00	0.220
124-48-1	Chlorodibromomethane	0.150	U	1.00	0.150
106-93-4	1,2-Dibromoethane	0.180	U	1.00	0.180
108-90-7	Chlorobenzene	0.120	U	1.00	0.120
630-20-6	1,1,1,2-Tetrachloroethane	0.180	U	1.00	0.180

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-90241-1

SDG No.: _____

Client Sample ID: ARTESIA-MW32-04082014 Lab Sample ID: 600-90241-14

Matrix: Water Lab File ID: C10210.D

Analysis Method: 8260B Date Collected: 04/08/2014 17:25

Sample wt/vol: 20 (mL) Date Analyzed: 04/12/2014 14:08

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 131912 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	0.110	U	1.00	0.110
179601-23-1	m-Xylene & p-Xylene	0.170	U	1.00	0.170
1330-20-7	Xylenes, Total	0.260	U	1.00	0.260
95-47-6	o-Xylene	0.120	U	1.00	0.120
100-42-5	Styrene	0.0700	U	1.00	0.0700
75-25-2	Bromoform	0.190	U	1.00	0.190
98-82-8	Isopropylbenzene	0.180	U	1.00	0.180
108-86-1	Bromobenzene	0.190	U	1.00	0.190
96-18-4	1,2,3-Trichloropropane	0.290	U	1.00	0.290
79-34-5	1,1,2,2-Tetrachloroethane	0.220	U	1.00	0.220
103-65-1	N-Propylbenzene	0.150	U	1.00	0.150
95-49-8	2-Chlorotoluene	0.130	U	1.00	0.130
106-43-4	4-Chlorotoluene	0.140	U	1.00	0.140
108-67-8	1,3,5-Trimethylbenzene	0.100	U	1.00	0.100
98-06-6	tert-Butylbenzene	0.0800	U	1.00	0.0800
99-87-6	p-Isopropyltoluene	0.100	U	1.00	0.100
95-63-6	1,2,4-Trimethylbenzene	0.140	U	1.00	0.140
135-98-8	sec-Butylbenzene	0.120	U	1.00	0.120
541-73-1	1,3-Dichlorobenzene	0.130	U	1.00	0.130
106-46-7	1,4-Dichlorobenzene	0.110	U	1.00	0.110
95-50-1	1,2-Dichlorobenzene	0.100	U	1.00	0.100
104-51-8	n-Butylbenzene	0.160	U	1.00	0.160
96-12-8	1,2-Dibromo-3-Chloropropane	0.810	U	1.00	0.810
120-82-1	1,2,4-Trichlorobenzene	0.310	U	1.00	0.310
87-68-3	Hexachlorobutadiene	0.170	U	1.00	0.170
91-20-3	Naphthalene	0.320	U	2.00	0.320
87-61-6	1,2,3-Trichlorobenzene	0.570	U	1.00	0.570

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	107		67-139
1868-53-7	Dibromofluoromethane	82		62-130
2037-26-5	Toluene-d8 (Surr)	100		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	82		50-134

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-90241-1

SDG No.: _____

Client Sample ID: ARTESIA-EB01-04082014 Lab Sample ID: 600-90241-15

Matrix: Water Lab File ID: C10211.D

Analysis Method: 8260B Date Collected: 04/08/2014 17:05

Sample wt/vol: 20 (mL) Date Analyzed: 04/12/2014 14:34

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 131912 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	0.120	U	1.00	0.120
74-87-3	Chloromethane	0.180	U	2.00	0.180
75-01-4	Vinyl chloride	0.110	U	2.00	0.110
74-83-9	Bromomethane	0.250	U	2.00	0.250
75-00-3	Chloroethane	0.0800	U	2.00	0.0800
75-69-4	Trichlorofluoromethane	0.0800	U	1.00	0.0800
75-35-4	1,1-Dichloroethene	0.190	U	1.00	0.190
156-60-5	trans-1,2-Dichloroethene	0.0900	U	1.00	0.0900
1634-04-4	Methyl tert-butyl ether	0.120	U	1.00	0.120
75-09-2	Methylene Chloride	0.333	J	5.00	0.150
156-59-2	cis-1,2-Dichloroethene	0.0600	U	1.00	0.0600
78-93-3	2-Butanone (MEK)	0.760	U	2.00	0.760
74-97-5	Bromochloromethane	0.180	U	1.00	0.180
56-23-5	Carbon tetrachloride	0.150	U	1.00	0.150
71-43-2	Benzene	0.0800	U	1.00	0.0800
107-06-2	1,2-Dichloroethane	0.165	J	1.00	0.140
79-01-6	Trichloroethene	0.180	U	1.00	0.180
71-55-6	1,1,1-Trichloroethane	0.150	U	1.00	0.150
75-34-3	1,1-Dichloroethane	0.110	U	1.00	0.110
78-87-5	1,2-Dichloropropane	0.160	U	1.00	0.160
594-20-7	2,2-Dichloropropane	0.130	U	1.00	0.130
74-95-3	Dibromomethane	0.520	U	1.00	0.520
67-66-3	Chloroform	0.130	U	1.00	0.130
75-27-4	Bromodichloromethane	0.160	U	1.00	0.160
110-75-8	2-Chloroethyl vinyl ether	0.500	U	2.00	0.500
563-58-6	1,1-Dichloropropene	0.210	U	1.00	0.210
10061-01-5	cis-1,3-Dichloropropene	0.180	U	1.00	0.180
108-88-3	Toluene	0.150	U	1.00	0.150
10061-02-6	trans-1,3-Dichloropropene	0.210	U	1.00	0.210
79-00-5	1,1,2-Trichloroethane	0.280	U	1.00	0.280
127-18-4	Tetrachloroethene	0.130	U	1.00	0.130
142-28-9	1,3-Dichloropropane	0.220	U	1.00	0.220
124-48-1	Chlorodibromomethane	0.150	U	1.00	0.150
106-93-4	1,2-Dibromoethane	0.180	U	1.00	0.180
108-90-7	Chlorobenzene	0.120	U	1.00	0.120
630-20-6	1,1,1,2-Tetrachloroethane	0.180	U	1.00	0.180

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-90241-1

SDG No.: _____

Client Sample ID: ARTESIA-EB01-04082014 Lab Sample ID: 600-90241-15

Matrix: Water Lab File ID: C10211.D

Analysis Method: 8260B Date Collected: 04/08/2014 17:05

Sample wt/vol: 20 (mL) Date Analyzed: 04/12/2014 14:34

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 131912 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	0.110	U	1.00	0.110
179601-23-1	m-Xylene & p-Xylene	0.170	U	1.00	0.170
1330-20-7	Xylenes, Total	0.260	U	1.00	0.260
95-47-6	o-Xylene	0.120	U	1.00	0.120
100-42-5	Styrene	0.0700	U	1.00	0.0700
75-25-2	Bromoform	0.190	U	1.00	0.190
98-82-8	Isopropylbenzene	0.180	U	1.00	0.180
108-86-1	Bromobenzene	0.190	U	1.00	0.190
96-18-4	1,2,3-Trichloropropane	0.290	U	1.00	0.290
79-34-5	1,1,2,2-Tetrachloroethane	0.220	U	1.00	0.220
103-65-1	N-Propylbenzene	0.150	U	1.00	0.150
95-49-8	2-Chlorotoluene	0.130	U	1.00	0.130
106-43-4	4-Chlorotoluene	0.140	U	1.00	0.140
108-67-8	1,3,5-Trimethylbenzene	0.100	U	1.00	0.100
98-06-6	tert-Butylbenzene	0.0800	U	1.00	0.0800
99-87-6	p-Isopropyltoluene	0.100	U	1.00	0.100
95-63-6	1,2,4-Trimethylbenzene	0.140	U	1.00	0.140
135-98-8	sec-Butylbenzene	0.120	U	1.00	0.120
541-73-1	1,3-Dichlorobenzene	0.130	U	1.00	0.130
106-46-7	1,4-Dichlorobenzene	0.110	U	1.00	0.110
95-50-1	1,2-Dichlorobenzene	0.100	U	1.00	0.100
104-51-8	n-Butylbenzene	0.160	U	1.00	0.160
96-12-8	1,2-Dibromo-3-Chloropropane	0.810	U	1.00	0.810
120-82-1	1,2,4-Trichlorobenzene	0.310	U	1.00	0.310
87-68-3	Hexachlorobutadiene	0.170	U	1.00	0.170
91-20-3	Naphthalene	0.320	U	2.00	0.320
87-61-6	1,2,3-Trichlorobenzene	0.570	U	1.00	0.570

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	105		67-139
1868-53-7	Dibromofluoromethane	83		62-130
2037-26-5	Toluene-d8 (Surr)	100		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	84		50-134

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-90241-1

SDG No.: _____

Client Sample ID: ARTESIA-MW33-04082014 Lab Sample ID: 600-90241-16

Matrix: Water Lab File ID: C10212.D

Analysis Method: 8260B Date Collected: 04/08/2014 17:50

Sample wt/vol: 20 (mL) Date Analyzed: 04/12/2014 15:00

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 131912 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	0.120	U	1.00	0.120
74-87-3	Chloromethane	0.180	U	2.00	0.180
75-01-4	Vinyl chloride	0.110	U	2.00	0.110
74-83-9	Bromomethane	0.250	U	2.00	0.250
75-00-3	Chloroethane	0.0800	U	2.00	0.0800
75-69-4	Trichlorofluoromethane	0.0800	U	1.00	0.0800
75-35-4	1,1-Dichloroethene	0.190	U	1.00	0.190
156-60-5	trans-1,2-Dichloroethene	0.0900	U	1.00	0.0900
1634-04-4	Methyl tert-butyl ether	0.120	U	1.00	0.120
75-09-2	Methylene Chloride	0.150	U	5.00	0.150
156-59-2	cis-1,2-Dichloroethene	0.0600	U	1.00	0.0600
78-93-3	2-Butanone (MEK)	0.760	U	2.00	0.760
74-97-5	Bromochloromethane	0.180	U	1.00	0.180
56-23-5	Carbon tetrachloride	0.150	U	1.00	0.150
71-43-2	Benzene	0.0800	U	1.00	0.0800
107-06-2	1,2-Dichloroethane	0.140	U	1.00	0.140
79-01-6	Trichloroethene	0.180	U	1.00	0.180
71-55-6	1,1,1-Trichloroethane	0.150	U	1.00	0.150
75-34-3	1,1-Dichloroethane	0.110	U	1.00	0.110
78-87-5	1,2-Dichloropropane	0.160	U	1.00	0.160
594-20-7	2,2-Dichloropropane	0.130	U	1.00	0.130
74-95-3	Dibromomethane	0.520	U	1.00	0.520
67-66-3	Chloroform	0.130	U	1.00	0.130
75-27-4	Bromodichloromethane	0.160	U	1.00	0.160
110-75-8	2-Chloroethyl vinyl ether	0.500	U	2.00	0.500
563-58-6	1,1-Dichloropropene	0.210	U	1.00	0.210
10061-01-5	cis-1,3-Dichloropropene	0.180	U	1.00	0.180
108-88-3	Toluene	0.150	U	1.00	0.150
10061-02-6	trans-1,3-Dichloropropene	0.210	U	1.00	0.210
79-00-5	1,1,2-Trichloroethane	0.280	U	1.00	0.280
127-18-4	Tetrachloroethene	0.130	U	1.00	0.130
142-28-9	1,3-Dichloropropane	0.220	U	1.00	0.220
124-48-1	Chlorodibromomethane	0.150	U	1.00	0.150
106-93-4	1,2-Dibromoethane	0.180	U	1.00	0.180
108-90-7	Chlorobenzene	0.120	U	1.00	0.120
630-20-6	1,1,1,2-Tetrachloroethane	0.180	U	1.00	0.180

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-90241-1

SDG No.: _____

Client Sample ID: ARTESIA-MW33-04082014 Lab Sample ID: 600-90241-16

Matrix: Water Lab File ID: C10212.D

Analysis Method: 8260B Date Collected: 04/08/2014 17:50

Sample wt/vol: 20 (mL) Date Analyzed: 04/12/2014 15:00

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 131912 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	0.110	U	1.00	0.110
179601-23-1	m-Xylene & p-Xylene	0.170	U	1.00	0.170
1330-20-7	Xylenes, Total	0.260	U	1.00	0.260
95-47-6	o-Xylene	0.120	U	1.00	0.120
100-42-5	Styrene	0.0700	U	1.00	0.0700
75-25-2	Bromoform	0.190	U	1.00	0.190
98-82-8	Isopropylbenzene	0.180	U	1.00	0.180
108-86-1	Bromobenzene	0.190	U	1.00	0.190
96-18-4	1,2,3-Trichloropropane	0.290	U	1.00	0.290
79-34-5	1,1,2,2-Tetrachloroethane	0.220	U	1.00	0.220
103-65-1	N-Propylbenzene	0.150	U	1.00	0.150
95-49-8	2-Chlorotoluene	0.130	U	1.00	0.130
106-43-4	4-Chlorotoluene	0.140	U	1.00	0.140
108-67-8	1,3,5-Trimethylbenzene	0.100	U	1.00	0.100
98-06-6	tert-Butylbenzene	0.0800	U	1.00	0.0800
99-87-6	p-Isopropyltoluene	0.100	U	1.00	0.100
95-63-6	1,2,4-Trimethylbenzene	0.140	U	1.00	0.140
135-98-8	sec-Butylbenzene	0.120	U	1.00	0.120
541-73-1	1,3-Dichlorobenzene	0.130	U	1.00	0.130
106-46-7	1,4-Dichlorobenzene	0.110	U	1.00	0.110
95-50-1	1,2-Dichlorobenzene	0.100	U	1.00	0.100
104-51-8	n-Butylbenzene	0.160	U	1.00	0.160
96-12-8	1,2-Dibromo-3-Chloropropane	0.810	U	1.00	0.810
120-82-1	1,2,4-Trichlorobenzene	0.310	U	1.00	0.310
87-68-3	Hexachlorobutadiene	0.170	U	1.00	0.170
91-20-3	Naphthalene	0.320	U	2.00	0.320
87-61-6	1,2,3-Trichlorobenzene	0.570	U	1.00	0.570

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	107		67-139
1868-53-7	Dibromofluoromethane	86		62-130
2037-26-5	Toluene-d8 (Surr)	102		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	86		50-134

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Houston Job No.: 600-90241-1 Analy Batch No.: 128860

SDG No.: _____

Instrument ID: VOAMS01 GC Column: DB-VRX 60 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/06/2014 10:00 Calibration End Date: 03/06/2014 12:21 Calibration ID: 2871

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 600-128860/2	C06502.D
Level 2	IC 600-128860/3	C06503.D
Level 3	IC 600-128860/4	C06504.D
Level 4	ICIS 600-128860/5	C06505.D
Level 5	IC 600-128860/6	C06506.D
Level 6	IC 600-128860/7	C06507.D

ANALYTE	RRF						CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5			B	M1	M2								
Dichlorodifluoromethane	0.7181 0.6268	0.8127	0.7134	0.8004	0.6993		Ave		0.7285				9.5		15.0			
Chloromethane	0.6385 0.5829	0.6780	0.6177	0.6714	0.6404		Ave		0.6381			0.1000	5.5		15.0			
Vinyl chloride	0.5548 0.4976	0.5658	0.4926	0.5694	0.5384		Ave		0.5364				6.3		30.0			
Butadiene	0.5890 0.5688	0.6066	0.5596	0.6593	0.6079		Ave		0.5985				5.9		15.0			
Ethylene oxide	0.1561 0.0957	0.1232	0.1078	0.1186	0.0898		Lin1	-0.543	0.0951						0.9929			0.9900
Bromomethane	0.4037 0.4088	0.3874	0.3642	0.4044	0.4118		Ave		0.3967				4.5		15.0			
Ethanol	0.0026 0.0012	0.0027	0.0018	0.0016	0.0014		Lin	-11.52	0.0012						0.9954			0.9900
Chloroethane	0.3601 0.3625	0.3900	0.3456	0.3824	0.3764		Ave		0.3695				4.4		15.0			
Dichlorofluoromethane	1.0418 1.0329	1.1445	1.0135	1.1374	1.0980		Ave		1.0780				5.2		15.0			
Acetonitrile	0.0333 0.0222	0.0292	0.0312	0.0253	0.0222		Lin1	-0.560	0.0222						0.9950			0.9900
Acrolein	0.0034 0.0027	0.0035	0.0026	0.0024	0.0024		Lin1	-0.119	0.0026						0.9941			0.9900
Trichlorofluoromethane	1.0017 1.0197	1.1453	0.9903	1.1736	1.0695		Ave		1.0667				7.2		15.0			
Isopropyl alcohol	0.0106 0.0059	0.0076	0.0069	0.0062	0.0064		Lin1	-0.598	0.0059						0.9989			0.9900
Acetone	0.0698 0.0477	0.0666	0.0642	0.0557	0.0515		Lin1	-0.107	0.0490						0.9948			0.9900
Ethyl ether	0.2101 0.2494	0.2223	0.2422	0.2581	0.2518		Ave		0.2390				7.9		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Houston Job No.: 600-90241-1 Analy Batch No.: 128860

SDG No.: _____

Instrument ID: VOAMS01 GC Column: DB-VRX 60 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/06/2014 10:00 Calibration End Date: 03/06/2014 12:21 Calibration ID: 2871

ANALYTE	RRF				CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	B	M1	M2								
t-Butanol	0.0229 0.0122	0.0171	0.0154	0.0140	0.0130	-0.739	0.0122							0.9985		0.9900
1,1-Dichloroethene	0.5206 0.4832	0.4715	0.4568	0.5434	0.4810		0.4927				6.6		30.0			
Acrylonitrile	0.0654 0.0492	0.0611	0.0572	0.0569	0.0522		0.0570				10.3		15.0			
Iodomethane	0.7525 0.7889	0.6947	0.7170	0.8754	0.8083		0.7728				8.5		15.0			
Methylene Chloride	1.0460 0.4555	0.6892	0.5388	0.5681	0.4858	-0.099	0.4547							0.9967		0.9900
Methyl acetate	0.2450 0.1666	0.2140	0.2093	0.1936	0.1755		0.2007				14.2		15.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	0.6066 0.4575	0.5093	0.4664	0.5527	0.4776		0.5117				11.3		15.0			
3-Chloro-1-propene	0.2666 0.2991	0.2503	0.2568	0.3174	0.2937		0.2807				9.5		15.0			
Carbon disulfide	1.5667 1.5064	1.3469	1.3591	1.6431	1.4835		1.4843				7.8		15.0			
trans-1,2-Dichloroethene	0.5575 0.5513	0.4861	0.4975	0.5838	0.5452		0.5369				7.0		15.0			
Methyl tert-butyl ether	0.7196 0.7203	0.6955	0.7516	0.7543	0.7334		0.7291				3.0		15.0			
Propionitrile	0.0278 0.0210	0.0261	0.0251	0.0246	0.0218		0.0244				10.5		15.0			
1,1-Dichloroethane	1.2603 1.0710	1.0945	1.0786	1.2039	1.0978		1.1343			0.1000	6.9		15.0			
Vinyl acetate	0.3871 0.4888	0.4091	0.4636	0.5018	0.4901		0.4567				10.4		15.0			
2-Chloro-1,3-butadiene	0.8187 1.0538	0.7684	0.9117	1.1500	1.0711	0.0278	1.0794							0.9972		0.9900
2-Butanone (MEK)	0.0278 0.0218	0.0250	0.0248	0.0254	0.0231		0.0246				8.4		15.0			
Hexane	0.8325 0.8706	0.8224	0.8788	1.0462	0.9073		0.8930				9.1		15.0			
Isopropyl ether	1.7223 1.5023	1.6318	1.7116	1.7494	1.5956		1.6522				5.7		15.0			
Methacrylonitrile	0.0306 0.0248	0.0273	0.0289	0.0281	0.0261		0.0276				7.4		15.0			
cis-1,2-Dichloroethene	0.7142 0.5807	0.6115	0.5893	0.6526	0.5963		0.6241				8.2		15.0			

Note: The ml coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Houston Job No.: 600-90241-1 Analy Batch No.: 128860

SDG No.: _____

Instrument ID: VOAMS01 GC Column: DB-VRX 60 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/06/2014 10:00 Calibration End Date: 03/06/2014 12:21 Calibration ID: 2871

ANALYTE	RRF				CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	B	M1	M2								
Ethyl acetate	0.0803 0.0793	0.0795	0.0850	0.0769	0.0781	Ave	0.0798				3.5		15.0			
Bromochloromethane	0.2853 0.2018	0.2512	0.2339	0.2314	0.2100	Ave	0.2356				12.8		15.0			
Chloroform	1.4416 1.0709	1.2308	1.1626	1.2486	1.1278	Ave	1.2137				10.7		30.0			
Isobutyl alcohol	0.0181 0.0114	0.0148	0.0133	0.0130	0.0125	Lin1	-1.223	0.0116						0.9984		0.9900
Tert-butyl ethyl ether	1.2428 1.1249	1.1746	1.2083	1.2017	1.1526	Ave	1.1841				3.6		15.0			
2,2-Dichloropropane	1.1520 1.0121	0.9879	0.9699	1.1606	1.0498	Ave	1.0554				7.8		15.0			
Tetrahydrofuran	0.0591 0.0492	0.0416	0.0496	0.0471	0.0452	Ave	0.0486				12.1		15.0			
1,2-Dichloroethane	0.8205 0.5663	0.7140	0.6750	0.6757	0.6122	Ave	0.6773				12.9		15.0			
n-Butanol	0.0027 0.0025	0.0026	0.0029	0.0026	0.0024	Ave	0.0026				7.5		15.0			
1,1,1-Trichloroethane	1.2918 1.1042	1.0807	1.0978	1.2612	1.1307	Ave	1.1611				7.9		15.0			
1,1-Dichloropropene	0.7182 0.8446	0.6654	0.7521	0.9302	0.8575	Ave	0.7947				12.5		15.0			
Cyclohexane	0.7693 0.9178	0.7405	0.8272	1.0231	0.9318	Ave	0.8683				12.4		15.0			
Carbon tetrachloride	1.1860 1.0246	1.0285	0.9980	1.1689	1.0410	Ave	1.0745				7.6		15.0			
Benzene	2.6811 2.3337	2.3608	2.3103	2.5775	2.4085	Ave	2.4453				6.1		15.0			
Tert-amyl methyl ether	0.8196 0.8179	0.7874	0.8140	0.8099	0.8063	Ave	0.8092				1.5		15.0			
Isooctane	1.8299 2.0176	1.6487	1.8165	2.2028	2.0149	Ave	1.9217				10.2		15.0			
Ethyl acrylate	0.2964 0.3587	0.3532	0.3708	0.3600	0.3547	Ave	0.3489				7.6		15.0			
Dibromomethane	0.3118 0.2007	0.2729	0.2445	0.2345	0.2160	Lin1	-0.053	0.2045						0.9976		0.9900
1,2-Dichloropropane	0.6397 0.5332	0.5652	0.5505	0.5822	0.5463	Ave	0.5695				6.7		30.0			
Trichloroethene	0.8526 0.7181	0.7275	0.7049	0.7917	0.7303	Ave	0.7542				7.5		15.0			

Note: The ml coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Houston Job No.: 600-90241-1 Analy Batch No.: 128860

SDG No.: _____

Instrument ID: VOAMS01 GC Column: DB-VRX 60 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/06/2014 10:00 Calibration End Date: 03/06/2014 12:21 Calibration ID: 2871

ANALYTE	RRF				CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	B	M1	M2								
Bromodichloromethane	0.9124 0.7532	0.7936	0.7951	0.8316	0.7744	Ave	0.8101				7.0		15.0			
Methyl methacrylate	0.2092 0.2290	0.2204	0.2298	0.2234	0.2243	Ave	0.2227				3.4		15.0			
1,4-Dioxane	2.7870 1.4940	2.2650	2.2176	2.0093	1.8861	Qua	0.0049	0.4033	0.0443					0.9998		
2-Nitropropane	0.0594 0.0826	0.0614	0.0509	0.0554	0.0675	Lin	0.3015	0.0844						0.9931		0.9900
2-Chloroethyl vinyl ether	0.1264 0.2055	0.1201	0.1068	0.1227	0.1507	Qua	0.0985	7.3167	-1.529					0.9991		
Methylcyclohexane	0.8885 1.1085	0.8532	0.9812	1.2417	1.1256	Ave	1.0331				14.6		15.0			
cis-1,3-Dichloropropene	1.3160 1.4784	1.2411	1.2750	1.4321	1.3833	Ave	1.3543				6.8		15.0			
4-Methyl-2-pentanone (MIBK)	0.2116 0.1916	0.1875	0.1960	0.1907	0.1843	Ave	0.1936				5.0		15.0			
trans-1,3-Dichloropropene	0.9196 1.0548	0.8209	0.8373	0.9824	0.9649	Ave	0.9300				9.6		15.0			
1,1,2-Trichloroethane	0.7343 0.5425	0.6155	0.5710	0.5767	0.5227	Ave	0.5938				12.8		15.0			
Ethyl methacrylate	0.4573 0.6108	0.4452	0.5021	0.5365	0.5514	Lin1	0.0339	0.5958						0.9969		0.9900
Toluene	2.8423 3.1594	2.6724	2.8452	3.3402	3.0781	Ave	2.9896				8.2		30.0			
1,3-Dichloropropene	1.3711 1.0316	1.1901	1.0893	1.1112	1.0188	Ave	1.1353				11.5		15.0			
2-Hexanone	0.2567 0.2339	0.2198	0.2085	0.1972	0.2091	Ave	0.2209				9.7		15.0			
n-Heptane	0.2467 0.2390	0.2328	0.2288	0.2160	0.2272	Ave	0.2317				4.5		15.0			
Chlorodibromomethane	0.8861 0.7851	0.7541	0.7411	0.7721	0.7341	Ave	0.7788				7.2		15.0			
n-Butyl acetate	0.3034 0.2794	0.1978	0.2110	0.2194	0.2227	Lin	0.1172	0.2824						0.9929		0.9900
1,2-Dibromoethane	0.5892 0.5226	0.5294	0.5094	0.5332	0.4925	Ave		0.5294			6.2		15.0			
Tetrachloroethene	1.1951 1.2518	1.0456	1.1491	1.2460	1.1380	Ave		1.1709			6.6		15.0			
1-Chlorohexane	0.9707 1.4903	0.9273	1.1657	1.5627	1.4300	Lin1	0.0423	1.5058						0.9967		0.9900

Note: The ml coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Houston Job No.: 600-90241-1 Analy Batch No.: 128860

SDG No.: _____

Instrument ID: VOAMS01 GC Column: DB-VRX 60 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/06/2014 10:00 Calibration End Date: 03/06/2014 12:21 Calibration ID: 2871

ANALYTE	RRF				CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	B	M1	M2								
1,1,1,2-Tetrachloroethane	1.3157 1.1525	1.1240	1.0992	1.2006	1.1089	Ave	1.1668				7.0		15.0			
Chlorobenzene	3.9046 3.4290	3.3063	3.2154	3.6137	3.3340	Ave	3.4671			0.3000	7.3		15.0			
Ethylbenzene	1.5332 2.0282	1.4125	1.6570	2.0487	1.9398	Lin1	0.0329	2.0298						0.9980		0.9900
m-Xylene & p-Xylene	1.7182 2.4991	1.6939	2.0180	2.5295	2.3765	Lin1	0.0374	2.5040						0.9980		0.9900
Bromoform	0.3533 0.3388	0.3053	0.2944	0.3039	0.2956	Ave	0.3152			0.1000	7.8		15.0			
Styrene	1.9407 3.4028	1.9330	2.5818	3.2454	3.2002	Lin1	0.0514	3.3971						0.9977		0.9900
Cyclohexanone	0.0100 0.0078	0.0090	0.0089	0.0084	0.0079	Ave	0.0087				9.7		15.0			
1,1,2,2-Tetrachloroethane	0.7093 0.5142	0.6179	0.5664	0.5543	0.5085	Ave	0.5784			0.3000	13.0		15.0			
o-Xylene	1.9218 2.3285	2.0085	2.1628	2.5093	2.2816	Ave	2.2021				9.8		15.0			
trans-1,4-Dichloro-2-butene	0.1542 0.1583	0.1484	0.1298	0.1428	0.1405	Ave	0.1457				7.1		15.0			
1,2,3-Trichloropropane	0.2152 0.1615	0.1691	0.1713	0.1687	0.1544	Ave	0.1734				12.4		15.0			
Isopropylbenzene	3.7394 5.9993	3.6591	4.9325	6.4653	5.9429	Lin1	0.0424	6.1371						0.9968		0.9900
Bromobenzene	1.0763 1.1814	0.9557	1.0345	1.1906	1.1148	Ave	1.0922				8.2		15.0			
N-Propylbenzene	1.1041 1.8162	1.0965	1.4535	1.8551	1.7192	Lin1	0.0449	1.8269						0.9975		0.9900
2-Chlorotoluene	1.1456 1.5012	1.1250	1.2610	1.5077	1.4233	Ave	1.3273				13.1		15.0			
4-Chlorotoluene	3.5189 4.3363	3.4909	3.9325	4.5674	4.2312	Ave	4.0129				11.0		15.0			
1,3,5-Trimethylbenzene	3.8564 5.2499	3.8977	4.5533	5.6166	5.2086	Lin1	0.0292	5.3368						0.9981		0.9900
Pentachloroethane	0.6854 0.6682	0.5893	0.5122	0.6767	0.6507	Ave	0.6304				10.7		15.0			
tert-Butylbenzene	2.9379 4.8334	3.0653	3.9033	5.0923	4.7731	Lin1	0.0429	4.9243						0.9975		0.9900
1,2,4-Trimethylbenzene	3.8155 5.3112	3.9628	4.7048	5.7060	5.3373	Lin1	0.0292	5.4224						0.9982		0.9900

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Houston

SDG No.:

Instrument ID: VOAMS01

Calibration Start Date: 03/06/2014 10:00

Job No.: 600-90241-1

GC Column: DB-VRX 60

Calibration End Date: 03/06/2014 12:21

Analy Batch No.: 128860

Heated Purge: (Y/N) N

Calibration ID: 2871

ANALYTE	RRF				CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4		B	M1	M2								
sec-Butylbenzene	5.6166 6.7774	5.4106	6.2701	7.9055	7.2408 Ave		6.5368				14.7		15.0			
Benzyl chloride	0.9235 1.1231	0.8348	0.8495	0.9814	0.9966 Ave		0.9515				11.2		15.0			
1,3-Dichlorobenzene	2.9492 2.7334	2.5438	2.6129	2.8898	2.6861 Ave		2.7359				5.7		15.0			
1,4-Dichlorobenzene	3.0787 2.5502	2.5809	2.5577	2.7953	2.5605 Ave		2.6872				7.9		15.0			
p-Isopropyltoluene	5.8613 6.2338	5.1983	5.7096	7.0023	6.5084 Ave		6.0856				10.4		15.0			
1,2,3-Trimethylbenzene	3.7703 4.8366	3.8029	4.3722	5.1525	4.8465 Ave		4.4635				13.0		15.0			
1,2-Dichlorobenzene	2.2840 2.1497	2.0160	2.0786	2.2323	2.1026 Ave		2.1439				4.7		15.0			
n-Butylbenzene	4.3450 5.8321	4.3612	5.1792	6.3829	5.9619 Lin1	0.0277	5.9895							0.9975		0.9900
1,2-Dibromo-3-Chloropropane	0.1085 0.0805	0.0891	0.0795	0.0761	0.0740 Lin1	-0.023	0.0776							0.9976		0.9900
1,3,5-Trichlorobenzene	1.6582 1.9094	1.4977	1.5853	1.8894	1.8385 Ave		1.7297				10.0		15.0			
1,2,4-Trichlorobenzene	1.0492 1.2841	0.9669	1.0491	1.2195	1.2380 Ave		1.1345				11.4		15.0			
Naphthalene	0.9624 1.4006	0.8697	0.9732	1.2161	1.3413 Lin1	0.0480	1.3866							0.9953		0.9900
Hexachlorobutadiene	0.3909 0.4305	0.3356	0.3674	0.4173	0.4077 Ave		0.3916				9.0		15.0			
1,2,3-Trichlorobenzene	0.8676 0.9012	0.8318	0.8241	0.9114	0.9031 Lin	0.0105	0.9045							0.9999		0.9900
2,6-Dimethyltetrahydropyran TIC	0 0	0	0	0	0 Ave								15.0			
Dibromofluoromethane	0.7354 0.5484	0.6318	0.6034	0.6215	0.5702 Ave		0.6185				10.6		15.0			
1,2-Dichloroethane-d4 (Surr)	0.7708 0.5078	0.6565	0.6136	0.6167	0.5451 Ave		0.6184				14.9		15.0			
Toluene-d8 (Surr)	3.6614 4.4023	3.2755	3.7275	4.5745	4.2720 Ave		3.9856				12.7		15.0			
4-Bromofluorobenzene	1.3598 1.4878	1.2761	1.3933	1.5468	1.4202 Ave		1.4140				6.7		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Houston Job No.: 600-90241-1 Analy Batch No.: 128860

SDG No.:

Instrument ID: VOAMS01 GC Column: DB-VRX 60 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/06/2014 10:00 Calibration End Date: 03/06/2014 12:21 Calibration ID: 2871

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 600-128860/2	C06502.D
Level 2	IC 600-128860/3	C06503.D
Level 3	IC 600-128860/4	C06504.D
Level 4	ICIS 600-128860/5	C06505.D
Level 5	IC 600-128860/6	C06506.D
Level 6	IC 600-128860/7	C06507.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	35736 2502023	85527	212470	462654	931110	1.00 50.0	2.00	5.00	10.0	20.0
Chloromethane	FB	Ave	31776 2326601	71358	183942	388069	852617	1.00 50.0	2.00	5.00	10.0	20.0
Vinyl chloride	FB	Ave	27608 1986229	59550	146693	329122	716762	1.00 50.0	2.00	5.00	10.0	20.0
Butadiene	FB	Ave	29312 2270319	63842	166640	381088	809370	1.00 50.0	2.00	5.00	10.0	20.0
Ethylene oxide	FB	Lin1	77683 3820702	129692	320984	685685	1195723	10.0 500	20.0	50.0	100	200
Bromomethane	FB	Ave	20091 1631907	40770	108465	233743	548256	1.00 50.0	2.00	5.00	10.0	20.0
Ethanol	FB	Lin	6530 238356	14447	27060	45833	95005	50.0 2500	100	250	500	1000
Chloroethane	FB	Ave	17918 1447139	41046	102915	221030	501160	1.00 50.0	2.00	5.00	10.0	20.0
Dichlorofluoromethane	FB	Ave	51847 4122974	120445	301832	657482	1461827	1.00 50.0	2.00	5.00	10.0	20.0
Acetonitrile	FB	Lin1	16572 884700	30765	74332	146010	295085	10.0 500	20.0	40.0	100	200
Acrolein	FB	Lin1	836 54172	1822	3854	7068	15964	5.00 250	10.0	25.0	50.0	100
Trichlorofluoromethane	FB	Ave	49849 4070321	120531	294908	678371	1423991	1.00 50.0	2.00	5.00	10.0	20.0
Isopropyl alcohol	FB	Lin1	5287 234954	8015	20427	35873	85056	10.0 500	20.0	50.0	100	200
Acetone	FB	Lin1	6951 380508	14009	38223	64442	137250	2.00 100	4.00	10.0	20.0	40.0
Ethyl ether	FB	Ave	10455 995402	23390	72137	149217	335276	1.00 50.0	2.00	5.00	10.0	20.0
t-Butanol	FB	Lin1	11393 486790	17955	45983	81211	173096	10.0 500	20.0	50.0	100	200

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Houston Job No.: 600-90241-1 Analy Batch No.: 128860

SDG No.: _____

Instrument ID: VOAMS01 GC Column: DB-VRX 60 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/06/2014 10:00 Calibration End Date: 03/06/2014 12:21 Calibration ID: 2871

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
1,1-Dichloroethene	FB	Ave	25908 1928727	49616	136048	314103	640350	1.00 50.0	2.00	5.00	10.0	20.0
Acrylonitrile	FB	Ave	32561 1961917	64270	170209	328939	694602	10.0 500	20.0	50.0	100	200
Iodomethane	FB	Ave	37446 3148886	73108	213537	506005	1076182	1.00 50.0	2.00	5.00	10.0	20.0
Methylene Chloride	FB	Lin1	52052 1818310	72528	160462	328374	646780	1.00 50.0	2.00	5.00	10.0	20.0
Methyl acetate	FB	Ave	60962 3324264	112593	311720	559548	1168451	5.00 250	10.0	25.0	50.0	100
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	30187 1826306	53604	138896	319464	635841	1.00 50.0	2.00	5.00	10.0	20.0
3-Chloro-1-propene	FB	Ave	13268 1194050	26346	76480	183488	391044	1.00 50.0	2.00	5.00	10.0	20.0
Carbon disulfide	FB	Ave	77966 6012897	141750	404761	949753	1975092	1.00 50.0	2.00	5.00	10.0	20.0
trans-1,2-Dichloroethene	FB	Ave	27743 2200624	51162	148171	337486	725849	1.00 50.0	2.00	5.00	10.0	20.0
Methyl tert-butyl ether	FB	Ave	35813 2875108	73199	223847	435988	976386	1.00 50.0	2.00	5.00	10.0	20.0
Propionitrile	FB	Ave	13819 839075	27461	74798	142373	290147	10.0 500	20.0	50.0	100	200
1,1-Dichloroethane	FB	Ave	62719 4274800	115188	321230	695888	1461580	1.00 50.0	2.00	5.00	10.0	20.0
Vinyl acetate	FB	Ave	38525 3902360	86116	276099	580158	1304928	2.00 100	4.00	10.0	20.0	40.0
2-Chloro-1,3-butadiene	FB	Lin1	40742 4206302	80865	271499	664736	1425999	1.00 50.0	2.00	5.00	10.0	20.0
2-Butanone (MEK)	FB	Ave	2769 173645	5265	14767	29348	61542	2.00 100	4.00	10.0	20.0	40.0
Hexane	FB	Ave	41429 3475092	86550	261707	604733	1208019	1.00 50.0	2.00	5.00	10.0	20.0
Isopropyl ether	FB	Ave	85713 5996426	171729	509744	1011199	2124398	1.00 50.0	2.00	5.00	10.0	20.0
Methacrylonitrile	FB	Ave	15236 991588	28755	85948	162353	347775	10.0 500	20.0	50.0	100	200
cis-1,2-Dichloroethene	FB	Ave	35544 2318099	64355	175508	377204	793926	1.00 50.0	2.00	5.00	10.0	20.0
Ethyl acetate	FB	Ave	7995 632964	16734	50600	88871	208013	2.00 100	4.00	10.0	20.0	40.0
Bromochloromethane	FB	Ave	14200 805622	26432	69655	133762	279640	1.00 50.0	2.00	5.00	10.0	20.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Houston Job No.: 600-90241-1 Analy Batch No.: 128860

SDG No.: _____

Instrument ID: VOAMS01 GC Column: DB-VRX 60 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/06/2014 10:00 Calibration End Date: 03/06/2014 12:21 Calibration ID: 2871

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Chloroform	FB	Ave	71740 4274489	129527	346240	721753	1501524	1.00 50.0	2.00	5.00	10.0	20.0
Isobutyl alcohol	FB	Lin1	22536 1140280	38917	98880	187286	414795	25.0 1250	50.0	125	250	500
Tert-butyl ethyl ether	FB	Ave	61847 4490079	123616	359856	694614	1534543	1.00 50.0	2.00	5.00	10.0	20.0
2,2-Dichloropropane	FB	Ave	57328 4039703	103966	288851	670903	1397672	1.00 50.0	2.00	5.00	10.0	20.0
Tetrahydrofuran	FB	Ave	5878 393036	8766	29541	54466	120491	2.00 100	4.00	10.0	20.0	40.0
1,2-Dichloroethane	FB	Ave	40834 2260547	75139	201030	390569	815026	1.00 50.0	2.00	5.00	10.0	20.0
n-Butanol	FB	Ave	3388 250728	6896	21929	38077	78665	25.0 1250	50.0	125	250	500
1,1,1-Trichloroethane	FB	Ave	64285 4407638	113728	326926	729017	1505404	1.00 50.0	2.00	5.00	10.0	20.0
1,1-Dichloropropene	FB	Ave	35739 3371420	70030	223987	537683	1141666	1.00 50.0	2.00	5.00	10.0	20.0
Cyclohexane	FB	Ave	38283 3663295	77934	246343	591377	1240592	1.00 50.0	2.00	5.00	10.0	20.0
Carbon tetrachloride	FB	Ave	59024 4089824	108244	297199	675666	1385987	1.00 50.0	2.00	5.00	10.0	20.0
Benzene	FB	Ave	133423 9315120	248450	688015	1489912	3206636	1.00 50.0	2.00	5.00	10.0	20.0
Tert-amyl methyl ether	FB	Ave	40786 3264688	82861	242417	468157	1073530	1.00 50.0	2.00	5.00	10.0	20.0
Isooctane	FB	Ave	91067 8053316	173508	540962	1273338	2682607	1.00 50.0	2.00	5.00	10.0	20.0
Ethyl acrylate	FB	Ave	14749 1431685	37167	110423	208070	472285	1.00 50.0	2.00	5.00	10.0	20.0
Dibromomethane	FB	Lin1	15515 800950	28725	72806	135561	287563	1.00 50.0	2.00	5.00	10.0	20.0
1,2-Dichloropropane	FB	Ave	31834 2128414	59477	163951	336564	727395	1.00 50.0	2.00	5.00	10.0	20.0
Trichloroethene	FB	Ave	42429 2866304	76565	209937	457634	972338	1.00 50.0	2.00	5.00	10.0	20.0
Bromodichloromethane	FB	Ave	45407 3006576	83518	236785	480709	1030999	1.00 50.0	2.00	5.00	10.0	20.0
Methyl methacrylate	FB	Ave	20821 1827961	46392	136889	258260	597238	2.00 100	4.00	10.0	20.0	40.0
1,4-Dioxane	DXE	Qua	2228 83110	4455	8982	14337	31789	20.0 1000	40.0	100	200	400

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Houston Job No.: 600-90241-1 Analy Batch No.: 128860

SDG No.: _____

Instrument ID: VOAMS01 GC Column: DB-VRX 60 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/06/2014 10:00 Calibration End Date: 03/06/2014 12:21 Calibration ID: 2871

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
2-Nitropropane	FB	Lin	5917 659468	12919	30306	64013	179661	2.00 100	4.00	10.0	20.0	40.0
2-Chloroethyl vinyl ether	CBZ	Qua	6641 838233	13804	35434	76907	218109	2.00 100	4.00	10.0	20.0	40.0
Methylcyclohexane	FB	Ave	44215 4424690	89787	292202	717748	1498561	1.00 50.0	2.00	5.00	10.0	20.0
cis-1,3-Dichloropropene	CBZ	Ave	34579 3015007	71309	211531	448653	1000740	1.00 50.0	2.00	5.00	10.0	20.0
4-Methyl-2-pentanone (MIBK)	FB	Ave	21063 1529850	39468	116756	220417	490662	2.00 100	4.00	10.0	20.0	40.0
trans-1,3-Dichloropropene	CBZ	Ave	24163 2151223	47169	138912	307752	698104	1.00 50.0	2.00	5.00	10.0	20.0
1,1,2-Trichloroethane	CBZ	Ave	19295 1106317	35364	94729	180677	378143	1.00 50.0	2.00	5.00	10.0	20.0
Ethyl methacrylate	CBZ	Lin1	12016 1245726	25583	83309	168073	398892	1.00 50.0	2.00	5.00	10.0	20.0
Toluene	CBZ	Ave	74683 6443429	153550	472044	1046407	2226918	1.00 50.0	2.00	5.00	10.0	20.0
1,3-Dichloropropane	CBZ	Ave	36026 2103834	68383	180729	348097	737054	1.00 50.0	2.00	5.00	10.0	20.0
2-Hexanone	CBZ	Ave	13492 953890	25258	69190	123586	302542	2.00 100	4.00	10.0	20.0	40.0
n-Heptane	FB	Ave	12275 953890	24501	68151	124831	302542	1.00 50.0	2.00	5.00	10.0	20.0
Chlorodibromomethane	CBZ	Ave	23284 1601146	43328	122956	241871	531081	1.00 50.0	2.00	5.00	10.0	20.0
n-Butyl acetate	CBZ	Lin	7973 569820	11363	35010	68723	161094	1.00 50.0	2.00	5.00	10.0	20.0
1,2-Dibromoethane	CBZ	Ave	15482 1065894	30419	84514	167054	356335	1.00 50.0	2.00	5.00	10.0	20.0
Tetrachloroethene	CBZ	Ave	31401 2552860	60077	190644	390342	823291	1.00 50.0	2.00	5.00	10.0	20.0
1-Chlorohexane	CBZ	Lin1	25507 3039367	53280	193401	489544	1034522	1.00 50.0	2.00	5.00	10.0	20.0
1,1,1,2-Tetrachloroethane	CBZ	Ave	34570 2350404	64580	182370	376108	802221	1.00 50.0	2.00	5.00	10.0	20.0
Chlorobenzene	CBZ	Ave	102596 6993162	189972	533452	1132083	2412023	1.00 50.0	2.00	5.00	10.0	20.0
Ethylbenzene	CBZ	Lin1	40287 4136452	81158	274900	641812	1403359	1.00 50.0	2.00	5.00	10.0	20.0
m-Xylene & p-Xylene	CBZ	Lin1	45148 5096825	97330	334807	792440	1719346	1.00 50.0	2.00	5.00	10.0	20.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Houston Job No.: 600-90241-1 Analy Batch No.: 128860

SDG No.:

Instrument ID: VOAMS01 GC Column: DB-VRX 60 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/06/2014 10:00 Calibration End Date: 03/06/2014 12:21 Calibration ID: 2871

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Bromoform	DCB	Ave	10974 731662	20676	54968	104124	230676	1.00 50.0	2.00	5.00	10.0	20.0
Styrene	CBZ	Lin1	50993 6939835	111067	428331	1016694	2315263	1.00 50.0	2.00	5.00	10.0	20.0
Cyclohexanone	CBZ	Ave	13176 792480	25983	73579	131005	285763	50.0 2500	100	250	500	1000
1,1,2,2-Tetrachloroethane	DCB	Ave	22033 1110573	41848	105748	189938	396787	1.00 50.0	2.00	5.00	10.0	20.0
o-Xylene	CBZ	Ave	50497 4748787	115405	358828	786100	1650663	1.00 50.0	2.00	5.00	10.0	20.0
trans-1,4-Dichloro-2-butene	DCB	Ave	4790 341937	10052	24229	48935	109615	1.00 50.0	2.00	5.00	10.0	20.0
1,2,3-Trichloropropane	DCB	Ave	6685 348818	11451	31984	57814	120442	1.00 50.0	2.00	5.00	10.0	20.0
Isopropylbenzene	DCB	Lin1	116157 12957436	247829	920849	2215479	4637055	1.00 50.0	2.00	5.00	10.0	20.0
Bromobenzene	DCB	Ave	33434 2551505	64732	193136	407995	869877	1.00 50.0	2.00	5.00	10.0	20.0
N-Propylbenzene	DCB	Lin1	34297 3922678	74268	271360	635681	1341405	1.00 50.0	2.00	5.00	10.0	20.0
2-Chlorotoluene	DCB	Ave	35586 3242409	76200	235425	516636	1110555	1.00 50.0	2.00	5.00	10.0	20.0
4-Chlorotoluene	DCB	Ave	109307 9365686	236439	734175	1565115	3301489	1.00 50.0	2.00	5.00	10.0	20.0
1,3,5-Trimethylbenzene	DCB	Lin1	119791 11338754	263991	850062	1924653	4064094	1.00 50.0	2.00	5.00	10.0	20.0
Pentachloroethane	DCB	Ave	21290 1443239	39912	95615	231886	507750	1.00 50.0	2.00	5.00	10.0	20.0
tert-Butylbenzene	DCB	Lin1	91262 10439267	207615	728720	1744982	3724281	1.00 50.0	2.00	5.00	10.0	20.0
1,2,4-Trimethylbenzene	DCB	Lin1	118523 11471223	268405	878345	1955295	4164554	1.00 50.0	2.00	5.00	10.0	20.0
sec-Butylbenzene	DCB	Ave	174470 14637920	366461	1170573	2708971	5649765	1.00 50.0	2.00	5.00	10.0	20.0
Benzyl chloride	DCB	Ave	28687 2425729	56539	158592	336289	777581	1.00 50.0	2.00	5.00	10.0	20.0
1,3-Dichlorobenzene	DCB	Ave	91612 5903620	172290	487813	990241	2095861	1.00 50.0	2.00	5.00	10.0	20.0
1,4-Dichlorobenzene	DCB	Ave	95635 5507954	174803	477498	957858	1997884	1.00 50.0	2.00	5.00	10.0	20.0
p-Isopropyltoluene	DCB	Ave	182072 13463792	352082	1065935	2399501	5078354	1.00 50.0	2.00	5.00	10.0	20.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Houston	Job No.: 600-90241-1	Analys Batch No.: 128860
SDG No.:		
Instrument ID: VOAMS01	GC Column: DB-VRX 60	ID: 0.25 (mm)
Calibration Start Date: 03/06/2014 10:00	Calibration End Date: 03/06/2014 12:21	Heated Purge: (Y/N) N
Calibration ID: 2871		Calibration ID: 2871

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
1,2,3-Trimethylbenzene	DCB	Ave	117117 10446169	257574	816250	1765625	3781598	1.00 50.0	2.00	5.00	10.0	20.0
1,2-Dichlorobenzene	DCB	Ave	70948 4642887	136546	388065	764957	1640598	1.00 50.0	2.00	5.00	10.0	20.0
n-Butylbenzene	DCB	Lin1	134969 12596163	295387	966912	2187235	4651874	1.00 50.0	2.00	5.00	10.0	20.0
1,2-Dibromo-3-Chloropropane	DCB	Lin1	3369 173795	6034	14838	26066	57715	1.00 50.0	2.00	5.00	10.0	20.0
1,3,5-Trichlorobenzene	DCB	Ave	51510 4123920	101439	295967	647431	1434526	1.00 50.0	2.00	5.00	10.0	20.0
1,2,4-Trichlorobenzene	DCB	Ave	32590 2773447	65488	195864	417886	965963	1.00 50.0	2.00	5.00	10.0	20.0
Naphthalene	DCB	Lin1	29894 3025040	58904	181690	416728	1046617	1.00 50.0	2.00	5.00	10.0	20.0
Hexachlorobutadiene	DCB	Ave	12142 929744	22732	68591	142997	318149	1.00 50.0	2.00	5.00	10.0	20.0
1,2,3-Trichlorobenzene	DCB	Lin	26951 1946391	56337	153853	312326	704653	1.00 50.0	2.00	5.00	10.0	20.0
2,6-Dimethyltetrahydropyran TIC	DCB	Ave	0 0	0	0	0	0	1.00 50.0	2.00	5.00	10.0	20.0
Dibromofluoromethane	FB	Ave	36599 2188980	66489	179710	359263	759202	1.00 50.0	2.00	5.00	10.0	20.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	38360 2026778	69089	182731	356503	725739	1.00 50.0	2.00	5.00	10.0	20.0
Toluene-d8 (Surr)	CBZ	Ave	96207 8978248	188203	618424	1433092	3090656	1.00 50.0	2.00	5.00	10.0	20.0
4-Bromofluorobenzene	DCB	Ave	42239 3213478	86433	260120	530053	1108139	1.00 50.0	2.00	5.00	10.0	20.0

Curve Type Legend:
Ave = Average ISTD
Lin = Linear ISTD
Lin1 = Linear 1/conc ISTD
Qua = Quadratic ISTD

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Houston

SDG No.:

Job No.: 600-90241-1

Analy Batch No.: 130858

Instrument ID: VOAMS06

GC Column: DB-VRX 60

ID: 0.25 (mm)

Heated Purge: (Y/N) N

Calibration Start Date: 03/28/2014 13:00

Calibration End Date: 03/28/2014 15:14

Calibration ID: 2966

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 600-130858/2	J08702.D
Level 2	IC 600-130858/3	J08703.D
Level 3	IC 600-130858/4	J08704.D
Level 4	ICIS 600-130858/5	J08705.D
Level 5	IC 600-130858/6	J08706.D
Level 6	IC 600-130858/7	J08707.D

ANALYTE	RRF						CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5			B	M1	M2								
Dichlorodifluoromethane	0.5309 0.4631	0.4931	0.4801	0.4714	0.4688		Ave		0.4846				5.2		15.0			
Chloromethane	0.4868 0.4190	0.4717	0.4544	0.4305	0.4227		Ave		0.4475			0.1000	6.2		15.0			
Vinyl chloride	0.5016 0.4486	0.4676	0.4502	0.4346	0.4439		Ave		0.4578				5.3		30.0			
Butadiene	0.5133 0.4221	0.4555	0.4271	0.4099	0.4215		Ave		0.4416				8.7		15.0			
Bromomethane	0.2645 0.2548	0.2636	0.2630	0.2527	0.2503		Ave		0.2582				2.4		15.0			
Chloroethane	0.2353 0.2146	0.2260	0.2258	0.2141	0.2132		Ave		0.2215				4.0		15.0			
Ethanol	0.0009 0.0008	0.0008	0.0005	0.0007	0.0008		Lin	1.6368	0.0008						0.9979			0.9900
Dichlorofluoromethane	0.6454 0.5775	0.6033	0.5820	0.5659	0.5691		Ave		0.5905				5.1		15.0			
Acrolein	0.0053 0.0040	0.0036	0.0043	0.0040	0.0037		Ave		0.0041				14.5		15.0			
Acetonitrile	0.0106 0.0112	0.0110	0.0122	0.0101	0.0100		Ave		0.0108				7.6		15.0			
Isopropyl alcohol	0.0042 0.0039	0.0040	0.0040	0.0036	0.0037		Ave		0.0039				5.7		15.0			
Trichlorofluoromethane	0.5866 0.5376	0.5635	0.5379	0.5206	0.5266		Ave		0.5455				4.6		15.0			
Acetone	0.0367 0.0524	0.0555	0.0468	0.0490	0.0511		Ave		0.0519				7.3		15.0			
Ethyl ether	0.1337 0.1203	0.1271	0.1263	0.1209	0.1155		Ave		0.1240				5.1		15.0			
t-Butanol	0.0087 0.0085	0.0092	0.0085	0.0083	0.0082		Ave		0.0086				4.2		15.0			

Note: The ml coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Houston	Job No.: 600-90241-1	Analy Batch No.: 130858
SDG No.:		
Instrument ID: VOAMS06	GC Column: DB-VRX 60	ID: 0.25 (mm)
Calibration Start Date: 03/28/2014 13:00	Calibration End Date: 03/28/2014 15:14	Heated Purge: (Y/N) N
	Calibration ID: 2966	

ANALYTE	RRF				CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	B	M1	M2								
1,1-Dichloroethene	0.2918 0.2946	0.2727	0.2837	0.2741	0.2828	Ave	0.2833				3.2		30.0			
Acrylonitrile	0.0252 0.0259	0.0248	0.0250	0.0246	0.0244	Ave	0.0250				2.2		15.0			
Iodomethane	0.5603 0.5388	0.5218	0.5326	0.5087	0.5197	Ave	0.5303				3.4		15.0			
Methylene Chloride	1.2609 0.2801	0.7511	0.4445	0.3419	0.2973	Lin1	-0.309	0.2551						0.9990		0.9900
Methyl acetate	0.0621 0.0650	0.0571	0.0624	0.0598	0.0609	Ave	0.0612				4.4		15.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	0.2869 0.2769	0.2509	0.2702	0.2497	0.2668	Ave	0.2669				5.5		15.0			
3-Chloro-1-propene	0.1829 0.1718	0.1687	0.1698	0.1642	0.1670	Ave	0.1707				3.8		15.0			
Carbon disulfide	0.9819 0.9640	0.9442	0.9615	0.9158	0.9432	Ave	0.9518				2.4		15.0			
trans-1,2-Dichloroethene	0.3380 0.3256	0.3218	0.3248	0.3177	0.3202	Ave	0.3247				2.2		15.0			
Methyl tert-butyl ether	0.4246 0.4145	0.4029	0.4127	0.4003	0.3991	Ave	0.4090				2.4		15.0			
Propionitrile	0.0083 0.0111	0.0093	0.0107	0.0101	0.0104	Ave	0.0100				10.1		15.0			
1,1-Dichloroethane	0.5331 0.5254	0.5187	0.5336	0.5046	0.5113	Ave	0.5211			0.1000	2.3		15.0			
Vinyl acetate	0.1978 0.2172	0.1995	0.2099	0.2053	0.2096	Ave	0.2066				3.5		15.0			
2-Chloro-1,3-butadiene	0.5251 0.5279	0.4819	0.5038	0.4806	0.4970	Ave	0.5027				4.1		15.0			
Hexane	0.4451 0.4113	0.3720	0.4014	0.3772	0.4003	Ave	0.4012				6.6		15.0			
2-Butanone (MEK)	0.0152 0.0124	0.0105	0.0117	0.0114	0.0114	Ave	0.0121				13.5		15.0			
Isopropyl ether	0.8569 0.8251	0.8345	0.8195	0.7886	0.7891	Ave	0.8190				3.2		15.0			
Methacrylonitrile	0.0128 0.0136	0.0123	0.0135	0.0129	0.0130	Ave	0.0130				3.6		15.0			
cis-1,2-Dichloroethene	0.3395 0.3326	0.3395	0.3288	0.3215	0.3279	Ave	0.3316				2.1		15.0			
Ethyl acetate	0.0542 0.0806	0.0566	0.0680	0.0728	0.0741	Lin1	0.0752	0.0793						0.9982		0.9900

Note: The ml coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Houston Job No.: 600-90241-1 Analy Batch No.: 130858

SDG No.: _____

Instrument ID: VOAMS06 GC Column: DB-VRX 60 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/28/2014 13:00 Calibration End Date: 03/28/2014 15:14 Calibration ID: 2966

ANALYTE	RRF				CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	B	M1	M2								
Bromochloromethane	0.1310 0.1217	0.1166	0.1229	0.1148	0.1168	Ave	0.1206				5.0		15.0			
Chloroform	0.5377 0.5190	0.5210	0.5202	0.5013	0.4983	Ave	0.5163				2.8		30.0			
Tert-butyl ethyl ether	0.6165 0.6363	0.6041	0.6303	0.5981	0.6121	Ave	0.6162				2.4		15.0			
Isobutyl alcohol	0.0081 0.0063	0.0054	0.0053	0.0059	0.0060	Lin1	-0.002	0.0062					0.9956			0.9900
2,2-Dichloropropane	0.5165 0.4830	0.4876	0.5050	0.4649	0.4736	Ave	0.4884				4.0		15.0			
Tetrahydrofuran	0.0261 0.0225	0.0204	0.0221	0.0212	0.0220	Ave	0.0224				8.8		15.0			
1,2-Dichloroethane	0.2529 0.2349	0.2436	0.2415	0.2316	0.2270	Ave	0.2386				3.9		15.0			
n-Butanol	0.0005 0.0018	0.0005	0.0012	0.0015	0.0017	Lin1	2.2097	0.0018					0.9942			0.9900
1,1,1-Trichloroethane	0.5444 0.5334	0.5241	0.5298	0.4963	0.5153	Ave	0.5239				3.2		15.0			
1,1-Dichloropropene	0.4105 0.4016	0.3770	0.3868	0.3813	0.3930	Ave	0.3917				3.2		15.0			
Cyclohexane	0.4909 0.4836	0.4408	0.4812	0.4541	0.4781	Ave	0.4715				4.1		15.0			
Carbon tetrachloride	0.4496 0.4823	0.4263	0.4489	0.4378	0.4580	Ave	0.4505				4.2		15.0			
Benzene	1.2833 1.2205	1.2128	1.2341	1.1803	1.1924	Ave	1.2206				3.0		15.0			
Tert-amyl methyl ether	0.4929 0.4864	0.4565	0.4840	0.4681	0.4707	Ave	0.4764				2.9		15.0			
2-Nitropropane	0.0728 0.0842	0.0802	0.0805	0.0805	0.0817	Ave	0.0800				4.8		15.0			
Ethyl acrylate	0.1431 0.1250	0.1466	0.1642	0.1087	0.1115	Lin	0.0064	0.1237					0.9951			0.9900
n-Heptane	0.3664 0.3338	0.3195	0.3229	0.3115	0.3213	Ave	0.3292				5.9		15.0			
Dibromomethane	0.1057 0.1001	0.0981	0.1006	0.0988	0.0985	Ave	0.1003				2.8		15.0			
1,2-Dichloropropane	0.2502 0.2497	0.2375	0.2515	0.2476	0.2404	Ave	0.2461				2.3		30.0			
Trichloroethene	0.3873 0.3840	0.3662	0.3740	0.3608	0.3746	Ave	0.3745				2.7		15.0			

Note: The ml coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Houston Job No.: 600-90241-1 Analy Batch No.: 130858

SDG No.: _____

Instrument ID: VOAMS06 GC Column: DB-VRX 60 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/28/2014 13:00 Calibration End Date: 03/28/2014 15:14 Calibration ID: 2966

ANALYTE	RRF				CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	B	M1	M2								
Bromodichloromethane	0.3211 0.3318	0.3014	0.3159	0.3116	0.3199	Ave	0.3169				3.2		15.0			
1,4-Dioxane	0.9523 0.8156	1.1244	0.7485	0.9897	0.8444	Ave	0.9125				15.0		15.0			
2-Chloroethyl vinyl ether	0.1809 0.1910	0.1717	0.1843	0.1849	0.1873	Ave	0.1834				3.6		15.0			
Methyl methacrylate	0.1370 0.1193	0.1102	0.1181	0.1093	0.1162	Ave	0.1184				8.5		15.0			
Methylcyclohexane	0.5460 0.5255	0.4923	0.5228	0.4845	0.5161	Ave	0.5145				4.4		15.0			
cis-1,3-Dichloropropene	0.8719 0.8869	0.8512	0.8617	0.8541	0.8702	Ave	0.8660				1.5		15.0			
4-Methyl-2-pentanone (MIBK)	0.0779 0.0851	0.0729	0.0758	0.0823	0.0794	Ave	0.0789				5.6		15.0			
trans-1,3-Dichloropropene	0.6217 0.6181	0.5700	0.6037	0.5953	0.6085	Ave	0.6029				3.1		15.0			
1,1,2-Trichloroethane	0.3724 0.3484	0.3383	0.3487	0.3465	0.3472	Ave	0.3502				3.3		15.0			
Ethyl methacrylate	0.3802 0.3997	0.3135	0.3673	0.3586	0.3810	Ave	0.3667				8.1		15.0			
Toluene	2.0964 2.0685	1.9988	2.0747	2.0059	2.0498	Ave	2.0490				1.9		30.0			
1,3-Dichloropropane	0.6491 0.6071	0.5908	0.6301	0.6138	0.6040	Ave	0.6158				3.4		15.0			
2-Hexanone	0.0969 0.1401	0.0968	0.1181	0.1303	0.1295	Lin1	0.0733	0.1384					0.9984			0.9900
Chlorodibromomethane	0.4401 0.5148	0.4508	0.4783	0.4680	0.4967	Ave	0.4748				5.9		15.0			
n-Butyl acetate	0.2579 0.3833	0.3052	0.3649	0.3631	0.3731	Ave	0.3413				14.4		15.0			
1,2-Dibromoethane	0.3271 0.3380	0.3347	0.3437	0.3355	0.3317	Ave	0.3351				1.7		15.0			
Tetrachloroethene	0.7128 0.7202	0.6938	0.6946	0.6707	0.7016	Ave	0.6989				2.5		15.0			
1,1,1,2-Tetrachloroethane	0.7071 0.7367	0.6748	0.6846	0.6924	0.7178	Ave	0.7022				3.3		15.0			
Chlorobenzene	2.2698 2.1619	2.1633	2.2174	2.1482	2.1339	Ave	2.1824			0.3000	2.4		15.0			
Ethylbenzene	1.4125 1.3406	1.2788	1.3676	1.3014	1.3340	Ave	1.3392				3.5		30.0			

Note: The ml coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Houston Job No.: 600-90241-1 Analy Batch No.: 130858

SDG No.: _____

Instrument ID: VOAMS06 GC Column: DB-VRX 60 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/28/2014 13:00 Calibration End Date: 03/28/2014 15:14 Calibration ID: 2966

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
m-Xylene & p-Xylene	1.6706 1.6446	1.5410	1.6237	1.5831	1.6265	Ave		1.6149				2.9		15.0			
Bromoform	0.2182 0.2138	0.1980	0.2092	0.2008	0.1995	Ave		0.2066			0.1000	4.0		15.0			
Styrene	2.0797 2.2469	2.0372	2.1076	2.1493	2.1934	Ave		2.1357				3.6		15.0			
Cyclohexanone	0.0057 0.0061	0.0052	0.0052	0.0057	0.0062	Ave		0.0057				7.5		15.0			
1,1,2,2-Tetrachloroethane	0.4012 0.3755	0.3407	0.3673	0.3562	0.3682	Ave		0.3682			0.3000	5.5		15.0			
o-Xylene	1.6727 1.5825	1.5237	1.5501	1.5150	1.5597	Ave		1.5673				3.6		15.0			
trans-1,4-Dichloro-2-butene	0.0912 0.0863	0.0936	0.0826	0.0837	0.0850	Ave		0.0871				5.0		15.0			
1,2,3-Trichloropropane	0.1285 0.0978	0.1143	0.1126	0.1033	0.0987	Ave		0.1092				10.7		15.0			
Isopropylbenzene	4.4926 3.9701	4.1407	4.2558	4.0003	4.0006	Ave		4.1434				4.9		15.0			
Bromobenzene	0.8154 0.7789	0.7957	0.8048	0.7835	0.7689	Ave		0.7912				2.2		15.0			
N-Propylbenzene	1.2913 1.1461	1.1639	1.2061	1.1309	1.1336	Ave		1.1786				5.2		15.0			
2-Chlorotoluene	1.0536 0.9668	0.9644	1.0238	0.9786	0.9662	Ave		0.9922				3.8		15.0			
4-Chlorotoluene	2.9942 2.5743	2.7864	2.8229	2.6785	2.6054	Ave		2.7436				5.7		15.0			
1,3,5-Trimethylbenzene	3.7935 3.3414	3.4479	3.5449	3.3546	3.3621	Ave		3.4740				5.0		15.0			
tert-Butylbenzene	3.1868 2.9214	2.9312	3.0325	2.8746	2.9163	Ave		2.9771				3.9		15.0			
1,2,4-Trimethylbenzene	3.7850 3.3844	3.5550	3.5927	3.4146	3.4040	Ave		3.5226				4.4		15.0			
sec-Butylbenzene	4.8236 4.2284	4.3131	4.4874	4.1921	4.2482	Ave		4.3821				5.5		15.0			
Benzyl chloride	0.6195 0.7042	0.6228	0.6401	0.6414	0.6816	Ave		0.6516				5.2		15.0			
1,3-Dichlorobenzene	1.9694 1.7655	1.7992	1.8274	1.7847	1.7639	Ave		1.8183				4.3		15.0			
1,4-Dichlorobenzene	1.8937 1.7444	1.7760	1.7764	1.7201	1.7243	Ave		1.7708				3.4		15.0			

Note: The ml coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Houston Job No.: 600-90241-1 Analy Batch No.: 130858

SDG No.: _____

Instrument ID: VOAMS06 GC Column: DB-VRX 60 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/28/2014 13:00 Calibration End Date: 03/28/2014 15:14 Calibration ID: 2966

ANALYTE	RRF				CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	B	M1	M2								
p-Isopropyltoluene	4.1810 3.8286	3.7795	3.9468	3.7543	3.7955	Ave	3.8810				4.2		15.0			
1,2,3-Trimethylbenzene	3.4751 3.1182	3.2642	3.3233	3.1771	3.1287	Ave	3.2478				4.2		15.0			
1,2-Dichlorobenzene	1.5383 1.4049	1.3981	1.4621	1.4023	1.3979	Ave	1.4339				4.0		15.0			
n-Butylbenzene	3.7522 3.1758	3.3062	3.3544	3.1740	3.2284	Ave	3.3318				6.5		15.0			
1,2-Dibromo-3-Chloropropane	0.0731 0.0658	0.0647	0.0677	0.0613	0.0596	Ave	0.0654				7.4		15.0			
1,3,5-Trichlorobenzene	1.3191 1.2257	1.2572	1.2272	1.1798	1.1963	Ave	1.2342				4.0		15.0			
1,2,4-Trichlorobenzene	1.0333 0.9067	0.9021	0.8980	0.8797	0.8841	Ave	0.9173				6.3		15.0			
Naphthalene	1.3787 1.3336	1.3002	1.2966	1.2843	1.3012	Ave	1.3158				2.7		15.0			
Hexachlorobutadiene	0.2568 0.2070	0.2147	0.2155	0.1884	0.2021	Ave	0.2141				10.8		15.0			
1,2,3-Trichlorobenzene	0.6979 0.6867	0.7065	0.6692	0.6524	0.6771	Ave	0.6816				2.9		15.0			
Dibromofluoromethane	0.2758 0.2764	0.2613	0.2693	0.2665	0.2697	Ave	0.2698				2.1		15.0			
1,2-Dichloroethane-d4 (Surr)	0.1953 0.1906	0.2020	0.2020	0.1871	0.1882	Ave	0.1942				3.4		15.0			
Toluene-d8 (Surr)	3.0802 2.9276	2.8888	2.9554	2.8585	2.9249	Ave	2.9392				2.6		15.0			
4-Bromofluorobenzene	1.0376 0.8771	0.9822	0.9444	0.9113	0.8772	Ave	0.9383				6.7		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Houston Job No.: 600-90241-1 Analy Batch No.: 130858

SDG No.: _____

Instrument ID: VOAMS06 GC Column: DB-VRX 60 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/28/2014 13:00 Calibration End Date: 03/28/2014 15:14 Calibration ID: 2966

Calibration Files:	
LEVEL:	LAB SAMPLE ID: LAB FILE ID:
Level 1	IC 600-130858/2 J08702.D
Level 2	IC 600-130858/3 J08703.D
Level 3	IC 600-130858/4 J08704.D
Level 4	ICIS 600-130858/5 J08705.D
Level 5	IC 600-130858/6 J08706.D
Level 6	IC 600-130858/7 J08707.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	5760 279996	10692	26373	54361	110434	1.00 50.0	2.00	5.00	10.0	20.0
Chloromethane	FB	Ave	5281 253348	10227	24960	49640	99580	1.00 50.0	2.00	5.00	10.0	20.0
Vinyl chloride	FB	Ave	5442 271225	10138	24730	50117	104572	1.00 50.0	2.00	5.00	10.0	20.0
Butadiene	FB	Ave	5569 255231	9876	23461	47262	99299	1.00 50.0	2.00	5.00	10.0	20.0
Bromomethane	FB	Ave	2870 154082	5716	14448	29143	58961	1.00 50.0	2.00	5.00	10.0	20.0
Chloroethane	FB	Ave	2553 129770	4901	12406	24686	50223	1.00 50.0	2.00	5.00	10.0	20.0
Ethanol	FB	Lin	464 23135	842	1426	4077	9495	50.0 2500	100	250	500	1000
Dichlorofluoromethane	FB	Ave	7002 349196	13080	31968	65248	134055	1.00 50.0	2.00	5.00	10.0	20.0
Acrolein	FB	Ave	285 12096	388	1177	2323	4346	5.00 250	10.0	25.0	50.0	100
Acetonitrile	FB	Ave	1155 67574	2393	5355	11599	23442	10.0 500	20.0	40.0	100	200
Isopropyl alcohol	FB	Ave	455 23823	866	2193	4118	8742	10.0 500	20.0	50.0	100	200
Trichlorofluoromethane	FB	Ave	6364 325046	12218	29545	60033	124056	1.00 50.0	2.00	5.00	10.0	20.0
Acetone	FB	Ave	1230 63343	2406	5141	11289	24077	2.00 100	4.00	10.0	20.0	40.0
Ethyl ether	FB	Ave	1450 72713	2755	6940	13939	27218	1.00 50.0	2.00	5.00	10.0	20.0
t-Butanol	FB	Ave	946 51354	1992	4685	9573	19233	10.0 500	20.0	50.0	100	200
1,1-Dichloroethene	FB	Ave	3166 178141	5912	15584	31603	66620	1.00 50.0	2.00	5.00	10.0	20.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Houston Job No.: 600-90241-1 Analy Batch No.: 130858

SDG No.: _____

Instrument ID: VOAMS06 GC Column: DB-VRX 60 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/28/2014 13:00 Calibration End Date: 03/28/2014 15:14 Calibration ID: 2966

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Acrylonitrile	FB	Ave	2732 156781	5380	13731	28386	57389	10.0 500	20.0	50.0	100	200
Iodomethane	FB	Ave	6079 325818	11314	29257	58660	122415	1.00 50.0	2.00	5.00	10.0	20.0
Methylene Chloride	FB	Lin1	13679 169344	16286	24417	39423	70039	1.00 50.0	2.00	5.00	10.0	20.0
Methyl acetate	FB	Ave	3370 196513	6191	17150	34484	71767	5.00 250	10.0	25.0	50.0	100
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	3113 167428	5441	14841	28790	62844	1.00 50.0	2.00	5.00	10.0	20.0
3-Chloro-1-propene	FB	Ave	1984 103897	3658	9325	18934	39348	1.00 50.0	2.00	5.00	10.0	20.0
Carbon disulfide	FB	Ave	10653 582879	20471	52818	105603	222195	1.00 50.0	2.00	5.00	10.0	20.0
trans-1,2-Dichloroethene	FB	Ave	3667 196862	6978	17844	36639	75428	1.00 50.0	2.00	5.00	10.0	20.0
Methyl tert-butyl ether	FB	Ave	4607 250642	8736	22669	46156	94016	1.00 50.0	2.00	5.00	10.0	20.0
Propionitrile	FB	Ave	902 66948	2021	5882	11602	24537	10.0 500	20.0	50.0	100	200
1,1-Dichloroethane	FB	Ave	5784 317679	11246	29312	58187	120443	1.00 50.0	2.00	5.00	10.0	20.0
Vinyl acetate	FB	Ave	4292 262646	8651	23065	47349	98769	2.00 100	4.00	10.0	20.0	40.0
2-Chloro-1,3-butadiene	FB	Ave	5697 319216	10448	27675	55419	117084	1.00 50.0	2.00	5.00	10.0	20.0
Hexane	FB	Ave	4829 248707	8066	22050	43490	94305	1.00 50.0	2.00	5.00	10.0	20.0
2-Butanone (MEK)	FB	Ave	330 15002	456	1287	2632	5390	2.00 100	4.00	10.0	20.0	40.0
Isopropyl ether	FB	Ave	9297 498927	18093	45016	90936	185883	1.00 50.0	2.00	5.00	10.0	20.0
Methacrylonitrile	FB	Ave	1392 82284	2675	7433	14908	30567	10.0 500	20.0	50.0	100	200
cis-1,2-Dichloroethene	FB	Ave	3683 201118	7361	18060	37075	77241	1.00 50.0	2.00	5.00	10.0	20.0
Ethyl acetate	FB	Lin1	1177 97501	2453	7475	16784	34919	2.00 100	4.00	10.0	20.0	40.0
Bromochloromethane	FB	Ave	1421 73571	2528	6752	13235	27522	1.00 50.0	2.00	5.00	10.0	20.0
Chloroform	FB	Ave	5834 313803	11296	28575	57806	117381	1.00 50.0	2.00	5.00	10.0	20.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Houston Job No.: 600-90241-1 Analy Batch No.: 130858

SDG No.: _____

Instrument ID: VOAMS06 GC Column: DB-VRX 60 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/28/2014 13:00 Calibration End Date: 03/28/2014 15:14 Calibration ID: 2966

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Tert-butyl ethyl ether	FB	Ave	6688 384733	13099	34623	68964	144199	1.00 50.0	2.00	5.00	10.0	20.0
Isobutyl alcohol	FB	Lin1	2193 95831	2937	7243	17144	35239	25.0 1250	50.0	125	250	500
2,2-Dichloropropane	FB	Ave	5604 292038	10573	27740	53605	111577	1.00 50.0	2.00	5.00	10.0	20.0
Tetrahydrofuran	FB	Ave	566 27180	884	2433	4890	10363	2.00 100	4.00	10.0	20.0	40.0
1,2-Dichloroethane	FB	Ave	2744 142034	5281	13268	26707	53482	1.00 50.0	2.00	5.00	10.0	20.0
n-Butanol	FB	Lin1	135 27959	285	1593	4304	10292	25.0 1250	50.0	125	250	500
1,1,1-Trichloroethane	FB	Ave	5906 322511	11364	29102	57233	121391	1.00 50.0	2.00	5.00	10.0	20.0
1,1-Dichloropropene	FB	Ave	4454 242826	8173	21248	43967	92570	1.00 50.0	2.00	5.00	10.0	20.0
Cyclohexane	FB	Ave	5326 292418	9558	26431	52366	112616	1.00 50.0	2.00	5.00	10.0	20.0
Carbon tetrachloride	FB	Ave	4878 291643	9244	24660	50480	107891	1.00 50.0	2.00	5.00	10.0	20.0
Benzene	FB	Ave	13922 737996	26296	67788	136101	280899	1.00 50.0	2.00	5.00	10.0	20.0
Tert-amyl methyl ether	FB	Ave	5347 294098	9898	26588	53978	110881	1.00 50.0	2.00	5.00	10.0	20.0
2-Nitropropane	FB	Ave	1580 101830	3476	8847	18573	38510	2.00 100	4.00	10.0	20.0	40.0
Ethyl acrylate	FB	Lin	1552 75611	3178	9022	12537	26267	1.00 50.0	2.00	5.00	10.0	20.0
n-Heptane	FB	Ave	3975 201847	6928	17735	35919	75678	1.00 50.0	2.00	5.00	10.0	20.0
Dibromomethane	FB	Ave	1147 60540	2128	5527	11397	23200	1.00 50.0	2.00	5.00	10.0	20.0
1,2-Dichloropropane	FB	Ave	2714 150955	5150	13814	28551	56630	1.00 50.0	2.00	5.00	10.0	20.0
Trichloroethene	FB	Ave	4202 232181	7941	20543	41599	88250	1.00 50.0	2.00	5.00	10.0	20.0
Bromodichloromethane	FB	Ave	3484 200618	6534	17353	35928	75360	1.00 50.0	2.00	5.00	10.0	20.0
1,4-Dioxane	DXE	Ave	119 7194	240	453	1342	2652	20.0 1000	40.0	100	200	400
2-Chloroethyl vinyl ether	CBZ	Ave	1517 92039	2867	8065	16806	34054	2.00 100	4.00	10.0	20.0	40.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Houston Job No.: 600-90241-1 Analy Batch No.: 130858

SDG No.: _____

Instrument ID: VOAMS06 GC Column: DB-VRX 60 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/28/2014 13:00 Calibration End Date: 03/28/2014 15:14 Calibration ID: 2966

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Methyl methacrylate	FB	Ave	2972 144285	4778	12980	25196	54768	2.00 100	4.00	10.0	20.0	40.0
Methylcyclohexane	FB	Ave	5923 317741	10673	28717	55866	121568	1.00 50.0	2.00	5.00	10.0	20.0
cis-1,3-Dichloropropene	CBZ	Ave	3655 213725	7106	18856	38825	79094	1.00 50.0	2.00	5.00	10.0	20.0
4-Methyl-2-pentanone (MIBK)	FB	Ave	1690 102861	3160	8327	18971	37428	2.00 100	4.00	10.0	20.0	40.0
trans-1,3-Dichloropropene	CBZ	Ave	2606 148937	4758	13210	27062	55303	1.00 50.0	2.00	5.00	10.0	20.0
1,1,2-Trichloroethane	CBZ	Ave	1561 83945	2824	7631	15751	31558	1.00 50.0	2.00	5.00	10.0	20.0
Ethyl methacrylate	CBZ	Ave	1594 96318	2617	8038	16303	34628	1.00 50.0	2.00	5.00	10.0	20.0
Toluene	CBZ	Ave	8788 498441	16686	45400	91180	186301	1.00 50.0	2.00	5.00	10.0	20.0
1,3-Dichloropropane	CBZ	Ave	2721 146291	4932	13789	27902	54901	1.00 50.0	2.00	5.00	10.0	20.0
2-Hexanone	CBZ	Lin1	812 67541	1616	5170	11842	23533	2.00 100	4.00	10.0	20.0	40.0
Chlorodibromomethane	CBZ	Ave	1845 124063	3763	10467	21276	45142	1.00 50.0	2.00	5.00	10.0	20.0
n-Butyl acetate	CBZ	Ave	1081 92375	2548	7985	16505	33915	1.00 50.0	2.00	5.00	10.0	20.0
1,2-Dibromoethane	CBZ	Ave	1371 81450	2794	7521	15250	30146	1.00 50.0	2.00	5.00	10.0	20.0
Tetrachloroethene	CBZ	Ave	2988 173543	5792	15200	30489	63764	1.00 50.0	2.00	5.00	10.0	20.0
1,1,1,2-Tetrachloroethane	CBZ	Ave	2964 177521	5633	14982	31476	65238	1.00 50.0	2.00	5.00	10.0	20.0
Chlorobenzene	CBZ	Ave	9515 520968	18059	48522	97651	193949	1.00 50.0	2.00	5.00	10.0	20.0
Ethylbenzene	CBZ	Ave	5921 323052	10675	29928	59157	121250	1.00 50.0	2.00	5.00	10.0	20.0
m-Xylene & p-Xylene	CBZ	Ave	7003 396293	12864	35532	71962	147834	1.00 50.0	2.00	5.00	10.0	20.0
Bromoform	DCB	Ave	871 55823	1627	4584	9404	19466	1.00 50.0	2.00	5.00	10.0	20.0
Styrene	CBZ	Ave	8718 541450	17006	46120	97702	199360	1.00 50.0	2.00	5.00	10.0	20.0
Cyclohexanone	CBZ	Ave	1204 73916	2184	5673	13046	28168	50.0 2500	100	250	500	1000

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Houston Job No.: 600-90241-1 Analy Batch No.: 130858

SDG No.:

Instrument ID: VOAMS06 GC Column: DB-VRX 60 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/28/2014 13:00 Calibration End Date: 03/28/2014 15:14 Calibration ID: 2966

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
1,1,2,2-Tetrachloroethane	CBZ	Ave	1682 90477	2844	8038	16193	33462	1.00 50.0	2.00	5.00	10.0	20.0
o-Xylene	CBZ	Ave	7012 381347	12720	33921	68867	141762	1.00 50.0	2.00	5.00	10.0	20.0
trans-1,4-Dichloro-2-butene	DCB	Ave	364 22523	769	1809	3919	8296	1.00 50.0	2.00	5.00	10.0	20.0
1,2,3-Trichloropropane	DCB	Ave	513 25541	939	2468	4838	9625	1.00 50.0	2.00	5.00	10.0	20.0
Isopropylbenzene	DCB	Ave	17935 1036708	34023	93249	187321	390316	1.00 50.0	2.00	5.00	10.0	20.0
Bromobenzene	DCB	Ave	3255 203393	6538	17634	36688	75018	1.00 50.0	2.00	5.00	10.0	20.0
N-Propylbenzene	DCB	Ave	5155 299272	9563	26427	52954	110601	1.00 50.0	2.00	5.00	10.0	20.0
2-Chlorotoluene	DCB	Ave	4206 252462	7924	22432	45826	94267	1.00 50.0	2.00	5.00	10.0	20.0
4-Chlorotoluene	DCB	Ave	11953 672244	22895	61854	125424	254196	1.00 50.0	2.00	5.00	10.0	20.0
1,3,5-Trimethylbenzene	DCB	Ave	15144 872536	28330	77672	157085	328018	1.00 50.0	2.00	5.00	10.0	20.0
tert-Butylbenzene	DCB	Ave	12722 762866	24085	66446	134609	284525	1.00 50.0	2.00	5.00	10.0	20.0
1,2,4-Trimethylbenzene	DCB	Ave	15110 883770	29210	78721	159895	332114	1.00 50.0	2.00	5.00	10.0	20.0
sec-Butylbenzene	DCB	Ave	19256 1104165	35439	98324	196301	414477	1.00 50.0	2.00	5.00	10.0	20.0
Benzyl chloride	DCB	Ave	2473 183891	5117	14025	30033	66498	1.00 50.0	2.00	5.00	10.0	20.0
1,3-Dichlorobenzene	DCB	Ave	7862 461024	14783	40040	83569	172098	1.00 50.0	2.00	5.00	10.0	20.0
1,4-Dichlorobenzene	DCB	Ave	7520 455513	14593	38923	80547	168232	1.00 50.0	2.00	5.00	10.0	20.0
p-Isopropyltoluene	DCB	Ave	16691 999783	31055	86480	175801	370312	1.00 50.0	2.00	5.00	10.0	20.0
1,2,3-Trimethylbenzene	DCB	Ave	13873 814254	26821	72818	148773	305250	1.00 50.0	2.00	5.00	10.0	20.0
1,2-Dichlorobenzene	DCB	Ave	6141 366854	11488	32037	65665	136382	1.00 50.0	2.00	5.00	10.0	20.0
n-Butylbenzene	DCB	Ave	14979 829290	27166	73499	148625	314978	1.00 50.0	2.00	5.00	10.0	20.0
1,2-Dibromo-3-Chloropropane	DCB	Ave	292 17170	532	1483	2869	5815	1.00 50.0	2.00	5.00	10.0	20.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Houston Job No.: 600-90241-1 Analy Batch No.: 130858

SDG No.:

Instrument ID: VOAMS06 GC Column: DB-VRX 60 ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 03/28/2014 13:00 Calibration End Date: 03/28/2014 15:14 Calibration ID: 2966

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
1,3,5-Trichlorobenzene	DCB	Ave	5266 320059	10330	26889	55246	116721	1.00 50.0	2.00	5.00	10.0	20.0
1,2,4-Trichlorobenzene	DCB	Ave	4125 236779	7412	19676	41191	86258	1.00 50.0	2.00	5.00	10.0	20.0
Naphthalene	DCB	Ave	5504 348235	10683	28411	60139	126953	1.00 50.0	2.00	5.00	10.0	20.0
Hexachlorobutadiene	DCB	Ave	1025 54057	1764	4722	8820	19717	1.00 50.0	2.00	5.00	10.0	20.0
1,2,3-Trichlorobenzene	DCB	Ave	2786 179321	5805	14662	30549	66058	1.00 50.0	2.00	5.00	10.0	20.0
Dibromofluoromethane	FB	Ave	2992 167140	5665	14794	30734	63525	1.00 50.0	2.00	5.00	10.0	20.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	2119 115257	4379	11096	21578	44326	1.00 50.0	2.00	5.00	10.0	20.0
Toluene-d8 (Surr)	CBZ	Ave	12912 705466	24115	64673	129939	265841	1.00 50.0	2.00	5.00	10.0	20.0
4-Bromofluorobenzene	DCB	Ave	4142 229035	8070	20692	42673	85584	1.00 50.0	2.00	5.00	10.0	20.0

Curve Type Legend:
Ave = Average ISTD
Lin = Linear ISTD
Lin1 = Linear 1/conc ISTD

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Houston Job No.: 600-90241-1
SDG No.: _____
Lab Sample ID: CCVIS 600-131850/2 Calibration Date: 04/11/2014 08:49
Instrument ID: VOAMS01 Calib Start Date: 12/03/2013 12:01
GC Column: DB-VRX 60 ID: 0.25 (mm) Calib End Date: 12/03/2013 14:05
Lab File ID: C10101.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2-Methylnaphthalene	Ave		0.0000		1.00	10.0		35.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Houston Job No.: 600-90241-1

SDG No.: _____

Lab Sample ID: CCVIS 600-131850/2 Calibration Date: 04/11/2014 08:49

Instrument ID: VOAMS01 Calib Start Date: 03/06/2014 10:00

GC Column: DB-VRX 60 ID: 0.25 (mm) Calib End Date: 03/06/2014 12:21

Lab File ID: C10101.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.7285	0.5919		8.13	10.0	-18.7	35.0
Chloromethane	Ave	0.6381	0.5436	0.1000	8.52	10.0	-14.8	35.0
Vinyl chloride	Ave	0.5364	0.5216		9.72	10.0	-2.8	20.0
Butadiene	Ave	0.5985	0.6245		10.4	10.0	4.3	35.0
Bromomethane	Ave	0.3967	0.3659		9.22	10.0	-7.8	35.0
Ethanol	Lin	0.0019	0.0013		430	500	-14.0	35.0
Chloroethane	Ave	0.3695	0.2662		7.20	10.0	-28.0	35.0
Dichlorofluoromethane	Ave	1.078	0.9519		8.83	10.0	-11.7	35.0
Acetonitrile	Lin1	0.0272	0.0180		74.0	100	-26.0	50.0
Acrolein	Lin1	0.0028	0.0023		43.2	50.0	-13.6	50.0
Trichlorofluoromethane	Ave	1.067	1.070		10.0	10.0	0.3	35.0
Isopropyl alcohol	Lin1	0.0073	0.0048		74.4	100	-25.6	50.0
Acetone	Lin1	0.0593	0.0517		19.7	20.0	-1.3	50.0
Ethyl ether	Ave	0.2390	0.2033		8.51	10.0	-14.9	35.0
t-Butanol	Lin1	0.0158	0.0134		100	100	0.0	35.0
1,1-Dichloroethene	Ave	0.4927	0.4473		9.08	10.0	-9.2	20.0
Acrylonitrile	Ave	0.0570	0.0446		78.4	100	-21.7	50.0
Iodomethane	Ave	0.7728	0.2553		3.30	10.0	-67.0*	35.0
Methylene Chloride	Lin1	0.6306	0.5023		9.81	10.0	-1.9	50.0
Methyl acetate	Ave	0.2007	0.1585		39.5	50.0	-21.0	35.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.5117	0.4189		8.19	10.0	-18.1	35.0
3-Chloro-1-propene	Ave	0.2807	0.2255		8.04	10.0	-19.7	35.0
Carbon disulfide	Ave	1.484	1.045		7.04	10.0	-29.6	35.0
trans-1,2-Dichloroethene	Ave	0.5369	0.4722		8.80	10.0	-12.1	35.0
Methyl tert-butyl ether	Ave	0.7291	0.6788		9.31	10.0	-6.9	35.0
Propionitrile	Ave	0.0244	0.0183		75.2	100	-24.8	35.0
1,1-Dichloroethane	Ave	1.134	1.045	0.1000	9.21	10.0	-7.9	35.0
Vinyl acetate	Ave	0.4567	0.3825		16.8	20.0	-16.3	50.0
2-Chloro-1,3-butadiene	Lin1	0.9623	1.062		10.2	10.0	1.9	35.0
2-Butanone (MEK)	Ave	0.0246	0.0222		18.0	20.0	-10.0	50.0
Isopropyl ether	Ave	1.652	1.487		9.00	10.0	-10.0	35.0
Hexane	Ave	0.8930	0.5905		6.61	10.0	-33.9	35.0
Methacrylonitrile	Ave	0.0276	0.0225		81.4	100	-18.6	35.0
cis-1,2-Dichloroethene	Ave	0.6241	0.5526		8.85	10.0	-11.5	35.0
Ethyl acetate	Ave	0.0798	0.0642		16.1	20.0	-19.6	35.0
Bromochloromethane	Ave	0.2356	0.1946		8.26	10.0	-17.4	35.0
Chloroform	Ave	1.214	1.232		10.2	10.0	1.5	20.0
Isobutyl alcohol	Lin1	0.0138	0.0119		241	250	-3.6	50.0
Tert-butyl ethyl ether	Ave	1.184	1.074		9.07	10.0	-9.3	35.0
2,2-Dichloropropane	Ave	1.055	1.178		11.2	10.0	11.6	35.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Houston Job No.: 600-90241-1

SDG No.: _____

Lab Sample ID: CCVIS 600-131850/2 Calibration Date: 04/11/2014 08:49

Instrument ID: VOAMS01 Calib Start Date: 03/06/2014 10:00

GC Column: DB-VRX 60 ID: 0.25 (mm) Calib End Date: 03/06/2014 12:21

Lab File ID: C10101.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Tetrahydrofuran	Ave	0.0486	0.0315		13.0	20.0	-35.2*	35.0
1,2-Dichloroethane	Ave	0.6773	0.7345		10.9	10.0	8.5	35.0
1,1,1-Trichloroethane	Ave	1.161	1.353		11.7	10.0	16.5	35.0
1,1-Dichloropropene	Ave	0.7947	0.8568		10.8	10.0	7.8	35.0
Cyclohexane	Ave	0.8683	0.7668		8.83	10.0	-11.7	35.0
Carbon tetrachloride	Ave	1.075	1.264		11.8	10.0	17.6	35.0
Benzene	Ave	2.445	2.128		8.70	10.0	-13.0	35.0
Tert-amyl methyl ether	Ave	0.8092	0.7230		8.94	10.0	-10.6	35.0
Isooctane	Ave	1.922	1.558		8.11	10.0	-18.9	35.0
Ethyl acrylate	Ave	0.3489	0.3253		9.32	10.0	-6.8	35.0
Dibromomethane	Lin1	0.2467	0.2140		9.80	10.0	-2.0	35.0
1,2-Dichloropropane	Ave	0.5695	0.5919		10.4	10.0	3.9	20.0
Trichloroethene	Ave	0.7542	0.7403		9.82	10.0	-1.8	35.0
Bromodichloromethane	Ave	0.8101	0.8405		10.4	10.0	3.8	35.0
Methyl methacrylate	Ave	0.2227	0.2001		18.0	20.0	-10.1	50.0
1,4-Dioxane	Qua	2.110	1.297		118	200	-41.1	50.0
2-Chloroethyl vinyl ether	Qua	0.1387	0.1029		15.8	20.0	-21.2	35.0
2-Nitropropane	Lin	0.0629	0.0524		16.2	20.0	-19.0	35.0
Methylcyclohexane	Ave	1.033	0.9783		9.47	10.0	-5.3	35.0
cis-1,3-Dichloropropene	Ave	1.354	1.128		8.33	10.0	-16.7	35.0
4-Methyl-2-pentanone (MIBK)	Ave	0.1936	0.1482		15.3	20.0	-23.5	50.0
trans-1,3-Dichloropropene	Ave	0.9300	0.7967		8.57	10.0	-14.3	35.0
1,1,2-Trichloroethane	Ave	0.5938	0.4655		7.84	10.0	-21.6	35.0
Ethyl methacrylate	Lin1	0.5172	0.4178		7.44	10.0	-25.7	50.0
Toluene	Ave	2.990	2.640		8.83	10.0	-11.7	20.0
1,3-Dichloropropane	Ave	1.135	0.9003		7.93	10.0	-20.7	35.0
2-Hexanone	Ave	0.2209	0.1385		12.5	20.0	-37.3	50.0
n-Heptane	Ave	0.2317	0.1671		7.21	10.0	-27.9	35.0
Chlorodibromomethane	Ave	0.7788	0.7002		8.99	10.0	-10.1	35.0
n-Butyl acetate	Lin	0.2389	0.1431		6.53	10.0	-34.7	35.0
1,2-Dibromoethane	Ave	0.5294	0.4302		8.13	10.0	-18.7	35.0
Tetrachloroethene	Ave	1.171	1.065		9.09	10.0	-9.1	35.0
1,1,1,2-Tetrachloroethane	Ave	1.167	1.093		9.37	10.0	-6.3	35.0
Chlorobenzene	Ave	3.467	2.866	0.3000	8.27	10.0	-17.3	35.0
Ethylbenzene	Lin1	1.770	1.709		8.83	10.0	-11.7	20.0
m-Xylene & p-Xylene	Lin1	2.139	2.069		8.73	10.0	-12.7	35.0
Bromoform	Ave	0.3152	0.2557	0.1000	8.11	10.0	-18.9	35.0
Styrene	Lin1	2.717	2.347		7.55	10.0	-24.5	35.0
Cyclohexanone	Ave	0.0087	0.0055		319	500	-36.1*	35.0
1,1,2,2-Tetrachloroethane	Ave	0.5784	0.4084	0.3000	7.06	10.0	-29.4	35.0
o-Xylene	Ave	2.202	2.043		9.28	10.0	-7.2	35.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Houston Job No.: 600-90241-1
 SDG No.: _____
 Lab Sample ID: CCVIS 600-131850/2 Calibration Date: 04/11/2014 08:49
 Instrument ID: VOAMS01 Calib Start Date: 03/06/2014 10:00
 GC Column: DB-VRX 60 ID: 0.25 (mm) Calib End Date: 03/06/2014 12:21
 Lab File ID: C10101.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
trans-1,4-Dichloro-2-butene	Ave	0.1457	0.0849		5.83	10.0	-41.7	50.0
1,2,3-Trichloropropane	Ave	0.1734	0.1393		8.03	10.0	-19.7	35.0
Isopropylbenzene	Lin1	5.123	5.161		8.94	10.0	-10.6	35.0
Bromobenzene	Ave	1.092	0.8851		8.10	10.0	-19.0	35.0
N-Propylbenzene	Lin1	1.507	1.429		8.38	10.0	-16.2	35.0
2-Chlorotoluene	Ave	1.327	1.190		8.96	10.0	-10.4	35.0
4-Chlorotoluene	Ave	4.013	3.726		9.29	10.0	-7.1	35.0
1,3,5-Trimethylbenzene	Lin1	4.730	4.624		9.03	10.0	-9.7	35.0
Pentachloroethane	Ave	0.6304	0.5710		9.06	10.0	-9.4	35.0
tert-Butylbenzene	Lin1	4.101	4.237		9.14	10.0	-8.6	35.0
1,2,4-Trimethylbenzene	Lin1	4.806	4.759		9.14	10.0	-8.6	35.0
sec-Butylbenzene	Ave	6.537	6.523		9.98	10.0	-0.2	35.0
Benzyl chloride	Ave	0.9515	0.6994		7.35	10.0	-26.5	35.0
1,3-Dichlorobenzene	Ave	2.736	2.348		8.58	10.0	-14.2	35.0
1,4-Dichlorobenzene	Ave	2.687	2.269		8.44	10.0	-15.6	35.0
p-Isopropyltoluene	Ave	6.086	5.912		9.72	10.0	-2.8	35.0
1,2,3-Trimethylbenzene	Ave	4.464	4.299		9.63	10.0	-3.7	35.0
1,2-Dichlorobenzene	Ave	2.144	1.802		8.40	10.0	-16.0	35.0
n-Butylbenzene	Lin1	5.344	5.431		9.41	10.0	-5.9	35.0
1,2-Dibromo-3-Chloropropane	Lin1	0.0846	0.0562		6.95	10.0	-30.5	35.0
1,3,5-Trichlorobenzene	Ave	1.730	1.527		8.83	10.0	-11.7	35.0
1,2,4-Trichlorobenzene	Ave	1.134	0.9278		8.18	10.0	-18.2	35.0
Naphthalene	Lin1	1.127	0.8483		6.72	10.0	-32.8	35.0
Hexachlorobutadiene	Ave	0.3916	0.4071		10.4	10.0	4.0	35.0
1,2,3-Trichlorobenzene	Lin	0.8732	0.6589		7.42	10.0	-25.8	35.0
Dibromofluoromethane	Ave	0.6185	0.6680		10.8	10.0	8.0	35.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.6184	0.7260		11.7	10.0	17.4	35.0
Toluene-d8 (Surr)	Ave	3.986	3.964		9.95	10.0	-0.5	35.0
4-Bromofluorobenzene	Ave	1.414	1.385		9.80	10.0	-2.0	35.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Houston Job No.: 600-90241-1
SDG No.: _____
Lab Sample ID: CCVIS 600-131912/2 Calibration Date: 04/12/2014 09:58
Instrument ID: VOAMS01 Calib Start Date: 12/03/2013 12:01
GC Column: DB-VRX 60 ID: 0.25 (mm) Calib End Date: 12/03/2013 14:05
Lab File ID: C10201.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2-Methylnaphthalene	Ave		0.0000		1.00	10.0		35.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Houston Job No.: 600-90241-1

SDG No.: _____

Lab Sample ID: CCVIS 600-131912/2 Calibration Date: 04/12/2014 09:58

Instrument ID: VOAMS01 Calib Start Date: 03/06/2014 10:00

GC Column: DB-VRX 60 ID: 0.25 (mm) Calib End Date: 03/06/2014 12:21

Lab File ID: C10201.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.7285	0.5159		7.08	10.0	-29.2	35.0
Chloromethane	Ave	0.6381	0.4217	0.1000	6.61	10.0	-33.9	35.0
Vinyl chloride	Ave	0.5364	0.4745		8.85	10.0	-11.5	20.0
Butadiene	Ave	0.5985	0.5588		9.34	10.0	-6.6	35.0
Bromomethane	Ave	0.3967	0.4449		11.2	10.0	12.1	35.0
Chloroethane	Ave	0.3695	0.2899		7.85	10.0	-21.5	35.0
Ethanol	Lin	0.0019	0.0011		315	500	-37.1*	35.0
Dichlorofluoromethane	Ave	1.078	0.9458		8.77	10.0	-12.3	35.0
Acetonitrile	Lin1	0.0272	0.0162		65.8	100	-34.2	50.0
Acrolein	Lin1	0.0028	0.0021		39.1	50.0	-21.9	50.0
Isopropyl alcohol	Lin1	0.0073	0.0041		61.6	100	-38.4	50.0
Trichlorofluoromethane	Ave	1.067	1.008		9.45	10.0	-5.5	35.0
Acetone	Lin1	0.0593	0.0408		15.3	20.0	-23.5	50.0
Ethyl ether	Ave	0.2390	0.2324		9.73	10.0	-2.7	35.0
t-Butanol	Lin1	0.0158	0.0103		74.5	100	-25.5	35.0
1,1-Dichloroethene	Ave	0.4927	0.3960		8.04	10.0	-19.6	20.0
Acrylonitrile	Ave	0.0570	0.0380		66.6	100	-33.4	50.0
Iodomethane	Ave	0.7728	0.5862		7.59	10.0	-24.1	35.0
Methylene Chloride	Lin1	0.6306	0.4333		8.29	10.0	-17.1	50.0
Methyl acetate	Ave	0.2007	0.1309		32.6	50.0	-34.8	35.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.5117	0.3587		7.01	10.0	-29.9	35.0
3-Chloro-1-propene	Ave	0.2807	0.2092		7.45	10.0	-25.5	35.0
Carbon disulfide	Ave	1.484	0.9484		6.39	10.0	-36.1*	35.0
trans-1,2-Dichloroethene	Ave	0.5369	0.4478		8.34	10.0	-16.6	35.0
Methyl tert-butyl ether	Ave	0.7291	0.5617		7.70	10.0	-23.0	35.0
Propionitrile	Ave	0.0244	0.0149		61.2	100	-38.8*	35.0
1,1-Dichloroethane	Ave	1.134	0.9451	0.1000	8.33	10.0	-16.7	35.0
Vinyl acetate	Ave	0.4567	0.3171		13.9	20.0	-30.6	50.0
2-Chloro-1,3-butadiene	Lin1	0.9623	0.9314		8.98	10.0	-10.2	35.0
2-Butanone (MEK)	Ave	0.0246	0.0177		14.4	20.0	-28.2	50.0
Isopropyl ether	Ave	1.652	1.290		7.81	10.0	-21.9	35.0
Hexane	Ave	0.8930	0.5248		5.88	10.0	-41.2*	35.0
Methacrylonitrile	Ave	0.0276	0.0187		67.7	100	-32.3	35.0
cis-1,2-Dichloroethene	Ave	0.6241	0.4930		7.90	10.0	-21.0	35.0
Ethyl acetate	Ave	0.0798	0.0534		13.4	20.0	-33.1	35.0
Bromochloromethane	Ave	0.2356	0.1587		6.73	10.0	-32.7	35.0
Chloroform	Ave	1.214	1.045		8.61	10.0	-13.9	20.0
Isobutyl alcohol	Lin1	0.0138	0.0093		185	250	-26.0	50.0
Tert-butyl ethyl ether	Ave	1.184	0.8921		7.53	10.0	-24.7	35.0
2,2-Dichloropropane	Ave	1.055	1.011		9.58	10.0	-4.2	35.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Houston Job No.: 600-90241-1

SDG No.: _____

Lab Sample ID: CCVIS 600-131912/2 Calibration Date: 04/12/2014 09:58

Instrument ID: VOAMS01 Calib Start Date: 03/06/2014 10:00

GC Column: DB-VRX 60 ID: 0.25 (mm) Calib End Date: 03/06/2014 12:21

Lab File ID: C10201.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Tetrahydrofuran	Ave	0.0486	0.0267		11.0	20.0	-45.2*	35.0
1,2-Dichloroethane	Ave	0.6773	0.5878		8.68	10.0	-13.2	35.0
1,1,1-Trichloroethane	Ave	1.161	1.129		9.72	10.0	-2.8	35.0
1,1-Dichloropropene	Ave	0.7947	0.7660		9.64	10.0	-3.6	35.0
Cyclohexane	Ave	0.8683	0.6851		7.89	10.0	-21.1	35.0
Carbon tetrachloride	Ave	1.075	1.037		9.65	10.0	-3.5	35.0
Benzene	Ave	2.445	1.965		8.04	10.0	-19.6	35.0
Tert-amyl methyl ether	Ave	0.8092	0.6021		7.44	10.0	-25.6	35.0
Isooctane	Ave	1.922	1.422		7.40	10.0	-26.0	35.0
Ethyl acrylate	Ave	0.3489	0.2581		7.40	10.0	-26.0	35.0
Dibromomethane	Lin1	0.2467	0.1699		7.64	10.0	-23.6	35.0
1,2-Dichloropropane	Ave	0.5695	0.5512		9.68	10.0	-3.2	20.0
Trichloroethene	Ave	0.7542	0.6559		8.70	10.0	-13.0	35.0
Bromodichloromethane	Ave	0.8101	0.6720		8.30	10.0	-17.0	35.0
Methyl methacrylate	Ave	0.2227	0.1599		14.4	20.0	-28.2	50.0
1,4-Dioxane	Qua	2.110	1.680		157	200	-21.6	50.0
2-Chloroethyl vinyl ether	Qua	0.1387	0.1327		19.8	20.0	-1.1	35.0
2-Nitropropane	Lin	0.0629	0.0511		15.9	20.0	-20.5	35.0
Methylcyclohexane	Ave	1.033	0.8929		8.64	10.0	-13.6	35.0
cis-1,3-Dichloropropene	Ave	1.354	1.250		9.23	10.0	-7.7	35.0
4-Methyl-2-pentanone (MIBK)	Ave	0.1936	0.1162		12.0	20.0	-40.0	50.0
trans-1,3-Dichloropropene	Ave	0.9300	0.8546		9.19	10.0	-8.1	35.0
1,1,2-Trichloroethane	Ave	0.5938	0.4984		8.39	10.0	-16.1	35.0
Ethyl methacrylate	Lin1	0.5172	0.4322		7.68	10.0	-23.2	50.0
Toluene	Ave	2.990	3.067		10.3	10.0	2.6	20.0
1,3-Dichloropropane	Ave	1.135	0.9395		8.28	10.0	-17.3	35.0
2-Hexanone	Ave	0.2209	0.1371		12.4	20.0	-37.9	50.0
n-Heptane	Ave	0.2317	0.1285		5.54	10.0	-44.6*	35.0
Chlorodibromomethane	Ave	0.7788	0.6983		8.97	10.0	-10.3	35.0
n-Butyl acetate	Lin	0.2389	0.1501		6.78	10.0	-32.2	35.0
1,2-Dibromoethane	Ave	0.5294	0.4531		8.56	10.0	-14.4	35.0
Tetrachloroethene	Ave	1.171	1.213		10.4	10.0	3.6	35.0
1,1,1,2-Tetrachloroethane	Ave	1.167	1.136		9.74	10.0	-2.6	35.0
Chlorobenzene	Ave	3.467	3.239	0.3000	9.34	10.0	-6.6	35.0
Ethylbenzene	Lin1	1.770	1.947		10.0	10.0	0.0	20.0
m-Xylene & p-Xylene	Lin1	2.139	2.360		9.89	10.0	-1.1	35.0
Bromoform	Ave	0.3152	0.2919	0.1000	9.26	10.0	-7.4	35.0
Styrene	Lin1	2.717	2.566		8.20	10.0	-18.0	35.0
Cyclohexanone	Ave	0.0087	0.0050		290	500	-42.0*	35.0
1,1,2,2-Tetrachloroethane	Ave	0.5784	0.4798	0.3000	8.30	10.0	-17.0	35.0
o-Xylene	Ave	2.202	2.286		10.4	10.0	3.8	35.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Houston Job No.: 600-90241-1
 SDG No.: _____
 Lab Sample ID: CCVIS 600-131912/2 Calibration Date: 04/12/2014 09:58
 Instrument ID: VOAMS01 Calib Start Date: 03/06/2014 10:00
 GC Column: DB-VRX 60 ID: 0.25 (mm) Calib End Date: 03/06/2014 12:21
 Lab File ID: C10201.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
trans-1,4-Dichloro-2-butene	Ave	0.1457	0.0960		6.59	10.0	-34.1	50.0
1,2,3-Trichloropropane	Ave	0.1734	0.1591		9.18	10.0	-8.2	35.0
Isopropylbenzene	Lin1	5.123	6.860		11.7	10.0	17.1	35.0
Bromobenzene	Ave	1.092	1.146		10.5	10.0	4.9	35.0
N-Propylbenzene	Lin1	1.507	1.916		11.1	10.0	10.5	35.0
2-Chlorotoluene	Ave	1.327	1.550		11.7	10.0	16.8	35.0
4-Chlorotoluene	Ave	4.013	4.731		11.8	10.0	17.9	35.0
1,3,5-Trimethylbenzene	Lin1	4.730	5.951		11.5	10.0	15.1	35.0
Pentachloroethane	Ave	0.6304	0.6728		10.7	10.0	6.7	35.0
tert-Butylbenzene	Lin1	4.101	5.546		11.8	10.0	18.0	35.0
1,2,4-Trimethylbenzene	Lin1	4.806	6.003		11.4	10.0	14.3	35.0
sec-Butylbenzene	Ave	6.537	8.515		13.0	10.0	30.3	35.0
Benzyl chloride	Ave	0.9515	0.8056		8.47	10.0	-15.3	35.0
1,3-Dichlorobenzene	Ave	2.736	2.872		10.5	10.0	5.0	35.0
1,4-Dichlorobenzene	Ave	2.687	2.755		10.3	10.0	2.5	35.0
p-Isopropyltoluene	Ave	6.086	7.601		12.5	10.0	24.9	35.0
1,2,3-Trimethylbenzene	Ave	4.464	5.220		11.7	10.0	16.9	35.0
1,2-Dichlorobenzene	Ave	2.144	2.128		9.93	10.0	-0.7	35.0
n-Butylbenzene	Lin1	5.344	6.914		11.9	10.0	18.9	35.0
1,2-Dibromo-3-Chloropropane	Lin1	0.0846	0.0612		7.60	10.0	-24.0	35.0
1,3,5-Trichlorobenzene	Ave	1.730	1.853		10.7	10.0	7.1	35.0
1,2,4-Trichlorobenzene	Ave	1.134	1.075		9.48	10.0	-5.2	35.0
Naphthalene	Lin1	1.127	1.060		8.25	10.0	-17.5	35.0
Hexachlorobutadiene	Ave	0.3916	0.4913		12.6	10.0	25.5	35.0
1,2,3-Trichlorobenzene	Lin	0.8732	0.7269		8.17	10.0	-18.3	35.0
Dibromofluoromethane	Ave	0.6185	0.5292		8.56	10.0	-14.4	35.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.6184	0.5240		8.47	10.0	-15.3	35.0
Toluene-d8 (Surr)	Ave	3.986	4.536		11.4	10.0	13.8	35.0
4-Bromofluorobenzene	Ave	1.414	1.684		11.9	10.0	19.1	35.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Houston Job No.: 600-90241-1
SDG No.: _____
Lab Sample ID: CCVIS 600-132620/2 Calibration Date: 04/21/2014 09:38
Instrument ID: VOAMS06 Calib Start Date: 08/13/2013 15:11
GC Column: DB-VRX 60 ID: 0.25 (mm) Calib End Date: 08/13/2013 17:28
Lab File ID: J11101.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Pentachloroethane	Ave	0.4218	0.3951		1.00	10.0	-6.3	35.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Houston Job No.: 600-90241-1

SDG No.: _____

Lab Sample ID: CCVIS 600-132620/2 Calibration Date: 04/21/2014 09:38

Instrument ID: VOAMS06 Calib Start Date: 03/28/2014 13:00

GC Column: DB-VRX 60 ID: 0.25 (mm) Calib End Date: 03/28/2014 15:14

Lab File ID: J11101.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.4846	0.3816		7.88	10.0	-21.2	35.0
Chloromethane	Ave	0.4475	0.4431	0.1000	9.90	10.0	-1.0	35.0
Vinyl chloride	Ave	0.4578	0.4756		10.4	10.0	3.9	20.0
Butadiene	Ave	0.4416	0.4460		10.1	10.0	1.0	35.0
Bromomethane	Ave	0.2582	0.2587		10.0	10.0	0.2	35.0
Ethanol	Lin	0.0007	0.0004		245	500	-51.0*	35.0
Chloroethane	Ave	0.2215	0.2195		9.91	10.0	-0.9	35.0
Dichlorofluoromethane	Ave	0.5905	0.5727		9.70	10.0	-3.0	35.0
Acrolein	Ave	0.0041	0.0027		32.1	50.0	-35.9	50.0
Acetonitrile	Ave	0.0108	0.0080		74.0	100	-26.0	50.0
Isopropyl alcohol	Ave	0.0039	0.0025		64.1	100	-35.9	50.0
Trichlorofluoromethane	Ave	0.5455	0.5408		9.92	10.0	-0.9	35.0
Acetone	Ave	0.0519	0.0378		14.6	20.0	-27.2	50.0
Ethyl ether	Ave	0.1240	0.1029		8.30	10.0	-17.0	35.0
t-Butanol	Ave	0.0086	0.0061		71.1	100	-28.9	35.0
1,1-Dichloroethene	Ave	0.2833	0.2762		9.75	10.0	-2.5	20.0
Acrylonitrile	Ave	0.0250	0.0214		85.6	100	-14.4	50.0
Iodomethane	Ave	0.5303	0.5023		9.47	10.0	-5.3	35.0
Methylene Chloride	Lin1	0.5626	0.2611		6.37	10.0	-36.3	50.0
Methyl acetate	Ave	0.0612	0.0522		42.6	50.0	-14.8	35.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.2669	0.2695		10.1	10.0	1.0	35.0
3-Chloro-1-propene	Ave	0.1707	0.1496		8.76	10.0	-12.4	35.0
Carbon disulfide	Ave	0.9518	0.8512		8.94	10.0	-10.6	35.0
trans-1,2-Dichloroethene	Ave	0.3247	0.3129		9.64	10.0	-3.6	35.0
Methyl tert-butyl ether	Ave	0.4090	0.3196		7.81	10.0	-21.9	35.0
Propionitrile	Ave	0.0100	0.0084		84.0	100	-16.0	35.0
1,1-Dichloroethane	Ave	0.5211	0.4858	0.1000	9.32	10.0	-6.8	35.0
Vinyl acetate	Ave	0.2066	0.1611		15.6	20.0	-22.0	50.0
2-Chloro-1,3-butadiene	Ave	0.5027	0.4568		9.09	10.0	-9.1	35.0
2-Butanone (MEK)	Ave	0.0121	0.0100		16.5	20.0	-17.3	50.0
Hexane	Ave	0.4012	0.3682		9.18	10.0	-8.2	35.0
Isopropyl ether	Ave	0.8190	0.7232		8.83	10.0	-11.7	35.0
Methacrylonitrile	Ave	0.0130	0.0112		86.1	100	-13.9	35.0
cis-1,2-Dichloroethene	Ave	0.3316	0.3184		9.60	10.0	-4.0	35.0
Ethyl acetate	Lin1	0.0677	0.0570		15.3	20.0	-23.5	35.0
Bromochloromethane	Ave	0.1206	0.1162		9.63	10.0	-3.7	35.0
Chloroform	Ave	0.5163	0.4600		8.91	10.0	-10.9	20.0
Tert-butyl ethyl ether	Ave	0.6162	0.4879		7.92	10.0	-20.8	35.0
Isobutyl alcohol	Lin1	0.0062	0.0048		193	250	-22.8	50.0
2,2-Dichloropropane	Ave	0.4884	0.4587		9.39	10.0	-6.1	35.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Houston Job No.: 600-90241-1

SDG No.: _____

Lab Sample ID: CCVIS 600-132620/2 Calibration Date: 04/21/2014 09:38

Instrument ID: VOAMS06 Calib Start Date: 03/28/2014 13:00

GC Column: DB-VRX 60 ID: 0.25 (mm) Calib End Date: 03/28/2014 15:14

Lab File ID: J11101.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Tetrahydrofuran	Ave	0.0224	0.0187		16.7	20.0	-16.5	35.0
1,2-Dichloroethane	Ave	0.2386	0.2004		8.40	10.0	-16.0	35.0
1,1,1-Trichloroethane	Ave	0.5239	0.5046		9.63	10.0	-3.7	35.0
1,1-Dichloropropene	Ave	0.3917	0.3641		9.30	10.0	-7.1	35.0
Cyclohexane	Ave	0.4715	0.4574		9.70	10.0	-3.0	35.0
Carbon tetrachloride	Ave	0.4505	0.4467		9.92	10.0	-0.8	35.0
Benzene	Ave	1.221	1.162		9.52	10.0	-4.8	35.0
2-Nitropropane	Ave	0.0800	0.0594		14.9	20.0	-25.8	35.0
Tert-amyl methyl ether	Ave	0.4764	0.3609		7.58	10.0	-24.2	35.0
Ethyl acrylate	Lin	0.1332	0.1359		11.1	10.0	10.7	35.0
n-Heptane	Ave	0.3292	0.3330		10.1	10.0	1.2	35.0
Dibromomethane	Ave	0.1003	0.0913		9.10	10.0	-9.0	35.0
1,2-Dichloropropane	Ave	0.2461	0.2233		9.07	10.0	-9.3	20.0
Trichloroethene	Ave	0.3745	0.3705		9.89	10.0	-1.1	35.0
Bromodichloromethane	Ave	0.3169	0.2875		9.07	10.0	-9.3	35.0
1,4-Dioxane	Ave	0.9125	1.071		235	200	17.3	50.0
2-Chloroethyl vinyl ether	Ave	0.1834	0.1401		15.3	20.0	-23.6	35.0
Methyl methacrylate	Ave	0.1184	0.1139		19.3	20.0	-3.8	50.0
Methylcyclohexane	Ave	0.5145	0.5067		9.85	10.0	-1.5	35.0
cis-1,3-Dichloropropene	Ave	0.8660	0.7558		8.73	10.0	-12.7	35.0
4-Methyl-2-pentanone (MIBK)	Ave	0.0789	0.0677		17.2	20.0	-14.2	50.0
trans-1,3-Dichloropropene	Ave	0.6029	0.5112		8.48	10.0	-15.2	35.0
1,1,2-Trichloroethane	Ave	0.3502	0.3280		9.37	10.0	-6.3	35.0
Ethyl methacrylate	Ave	0.3667	0.2755		7.51	10.0	-24.9	50.0
Toluene	Ave	2.049	1.967		9.60	10.0	-4.0	20.0
1,3-Dichloropropane	Ave	0.6158	0.5600		9.09	10.0	-9.1	35.0
2-Hexanone	Lin1	0.1186	0.1070		16.4	20.0	-18.1	50.0
Chlorodibromomethane	Ave	0.4748	0.4388		9.24	10.0	-7.6	35.0
n-Butyl acetate	Ave	0.3413	0.2641		7.74	10.0	-22.6	35.0
1,2-Dibromoethane	Ave	0.3351	0.3028		9.04	10.0	-9.6	35.0
Tetrachloroethene	Ave	0.6989	0.7418		10.6	10.0	6.1	35.0
1,1,1,2-Tetrachloroethane	Ave	0.7022	0.6937		9.88	10.0	-1.2	35.0
Chlorobenzene	Ave	2.182	2.135	0.3000	9.78	10.0	-2.2	35.0
Ethylbenzene	Ave	1.339	1.308		9.77	10.0	-2.3	20.0
m-Xylene & p-Xylene	Ave	1.615	1.606		9.94	10.0	-0.6	35.0
Bromoform	Ave	0.2066	0.1673	0.1000	8.10	10.0	-19.0	35.0
Styrene	Ave	2.136	1.962		9.18	10.0	-8.2	35.0
Cyclohexanone	Ave	0.0057	0.0042		363	500	-27.3	35.0
1,1,2,2-Tetrachloroethane	Ave	0.3682	0.3265	0.3000	8.87	10.0	-11.3	35.0
o-Xylene	Ave	1.567	1.521		9.70	10.0	-3.0	35.0
trans-1,4-Dichloro-2-butene	Ave	0.0871	0.1142		13.1	10.0	31.2	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Houston Job No.: 600-90241-1
 SDG No.: _____
 Lab Sample ID: CCVIS 600-132620/2 Calibration Date: 04/21/2014 09:38
 Instrument ID: VOAMS06 Calib Start Date: 03/28/2014 13:00
 GC Column: DB-VRX 60 ID: 0.25 (mm) Calib End Date: 03/28/2014 15:14
 Lab File ID: J11101.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2,3-Trichloropropane	Ave	0.1092	0.0868		7.95	10.0	-20.5	35.0
Isopropylbenzene	Ave	4.143	3.722		8.98	10.0	-10.2	35.0
Bromobenzene	Ave	0.7912	0.6997		8.84	10.0	-11.6	35.0
N-Propylbenzene	Ave	1.179	1.084		9.19	10.0	-8.1	35.0
2-Chlorotoluene	Ave	0.9922	0.8965		9.04	10.0	-9.7	35.0
4-Chlorotoluene	Ave	2.744	2.330		8.49	10.0	-15.1	35.0
1,3,5-Trimethylbenzene	Ave	3.474	3.067		8.83	10.0	-11.7	35.0
tert-Butylbenzene	Ave	2.977	2.738		9.20	10.0	-8.0	35.0
1,2,4-Trimethylbenzene	Ave	3.523	3.112		8.83	10.0	-11.7	35.0
sec-Butylbenzene	Ave	4.382	4.100		9.36	10.0	-6.4	35.0
Benzyl chloride	Ave	0.6516	0.5345		8.20	10.0	-18.0	35.0
1,3-Dichlorobenzene	Ave	1.818	1.643		9.04	10.0	-9.6	35.0
1,4-Dichlorobenzene	Ave	1.771	1.598		9.02	10.0	-9.8	35.0
p-Isopropyltoluene	Ave	3.881	3.636		9.37	10.0	-6.3	35.0
1,2,3-Trimethylbenzene	Ave	3.248	2.830		8.72	10.0	-12.9	35.0
1,2-Dichlorobenzene	Ave	1.434	1.286		8.97	10.0	-10.3	35.0
n-Butylbenzene	Ave	3.332	3.000		9.01	10.0	-9.9	35.0
1,2-Dibromo-3-Chloropropane	Ave	0.0654	0.0448		6.85	10.0	-31.5	35.0
1,3,5-Trichlorobenzene	Ave	1.234	1.154		9.35	10.0	-6.5	35.0
1,2,4-Trichlorobenzene	Ave	0.9173	0.7873		8.58	10.0	-14.2	35.0
Naphthalene	Ave	1.316	0.9933		7.55	10.0	-24.5	35.0
Hexachlorobutadiene	Ave	0.2141	0.2079		9.71	10.0	-2.9	35.0
1,2,3-Trichlorobenzene	Ave	0.6816	0.5646		8.28	10.0	-17.2	35.0
Dibromofluoromethane	Ave	0.2698	0.2532		9.39	10.0	-6.1	35.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.1942	0.1652		8.51	10.0	-14.9	35.0
Toluene-d8 (Surr)	Ave	2.939	2.793		9.50	10.0	-5.0	35.0
4-Bromofluorobenzene	Ave	0.9383	0.7731		8.24	10.0	-17.6	35.0

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-90241-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 600-131850/4

Matrix: Water Lab File ID: C10105.D

Analysis Method: 8260B Date Collected: _____

Sample wt/vol: 20 (mL) Date Analyzed: 04/11/2014 11:21

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 131850 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	0.120	U	1.00	0.120
74-87-3	Chloromethane	0.180	U	2.00	0.180
75-01-4	Vinyl chloride	0.110	U	2.00	0.110
74-83-9	Bromomethane	0.250	U	2.00	0.250
75-00-3	Chloroethane	0.0800	U	2.00	0.0800
75-69-4	Trichlorofluoromethane	0.0800	U	1.00	0.0800
75-35-4	1,1-Dichloroethene	0.190	U	1.00	0.190
156-60-5	trans-1,2-Dichloroethene	0.0900	U	1.00	0.0900
1634-04-4	Methyl tert-butyl ether	0.120	U	1.00	0.120
75-09-2	Methylene Chloride	0.150	U	5.00	0.150
156-59-2	cis-1,2-Dichloroethene	0.0600	U	1.00	0.0600
78-93-3	2-Butanone (MEK)	0.760	U	2.00	0.760
74-97-5	Bromochloromethane	0.180	U	1.00	0.180
56-23-5	Carbon tetrachloride	0.150	U	1.00	0.150
71-43-2	Benzene	0.0800	U	1.00	0.0800
107-06-2	1,2-Dichloroethane	0.2095	J	1.00	0.140
79-01-6	Trichloroethene	0.180	U	1.00	0.180
71-55-6	1,1,1-Trichloroethane	0.150	U	1.00	0.150
75-34-3	1,1-Dichloroethane	0.110	U	1.00	0.110
78-87-5	1,2-Dichloropropane	0.160	U	1.00	0.160
594-20-7	2,2-Dichloropropane	0.130	U	1.00	0.130
74-95-3	Dibromomethane	0.520	U	1.00	0.520
67-66-3	Chloroform	0.130	U	1.00	0.130
75-27-4	Bromodichloromethane	0.160	U	1.00	0.160
110-75-8	2-Chloroethyl vinyl ether	0.500	U	2.00	0.500
563-58-6	1,1-Dichloropropene	0.210	U	1.00	0.210
10061-01-5	cis-1,3-Dichloropropene	0.180	U	1.00	0.180
108-88-3	Toluene	0.150	U	1.00	0.150
10061-02-6	trans-1,3-Dichloropropene	0.210	U	1.00	0.210
79-00-5	1,1,2-Trichloroethane	0.280	U	1.00	0.280
127-18-4	Tetrachloroethene	0.130	U	1.00	0.130
142-28-9	1,3-Dichloropropane	0.220	U	1.00	0.220
124-48-1	Chlorodibromomethane	0.150	U	1.00	0.150
106-93-4	1,2-Dibromoethane	0.180	U	1.00	0.180
108-90-7	Chlorobenzene	0.120	U	1.00	0.120
630-20-6	1,1,1,2-Tetrachloroethane	0.180	U	1.00	0.180

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-90241-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 600-131850/4

Matrix: Water Lab File ID: C10105.D

Analysis Method: 8260B Date Collected: _____

Sample wt/vol: 20 (mL) Date Analyzed: 04/11/2014 11:21

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 131850 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	0.110	U	1.00	0.110
179601-23-1	m-Xylene & p-Xylene	0.170	U	1.00	0.170
1330-20-7	Xylenes, Total	0.260	U	1.00	0.260
95-47-6	o-Xylene	0.120	U	1.00	0.120
100-42-5	Styrene	0.0700	U	1.00	0.0700
75-25-2	Bromoform	0.190	U	1.00	0.190
98-82-8	Isopropylbenzene	0.180	U	1.00	0.180
108-86-1	Bromobenzene	0.190	U	1.00	0.190
96-18-4	1,2,3-Trichloropropane	0.290	U	1.00	0.290
79-34-5	1,1,2,2-Tetrachloroethane	0.220	U	1.00	0.220
103-65-1	N-Propylbenzene	0.150	U	1.00	0.150
95-49-8	2-Chlorotoluene	0.130	U	1.00	0.130
106-43-4	4-Chlorotoluene	0.140	U	1.00	0.140
108-67-8	1,3,5-Trimethylbenzene	0.100	U	1.00	0.100
98-06-6	tert-Butylbenzene	0.0800	U	1.00	0.0800
99-87-6	p-Isopropyltoluene	0.100	U	1.00	0.100
95-63-6	1,2,4-Trimethylbenzene	0.140	U	1.00	0.140
135-98-8	sec-Butylbenzene	0.120	U	1.00	0.120
541-73-1	1,3-Dichlorobenzene	0.130	U	1.00	0.130
106-46-7	1,4-Dichlorobenzene	0.110	U	1.00	0.110
95-50-1	1,2-Dichlorobenzene	0.100	U	1.00	0.100
104-51-8	n-Butylbenzene	0.160	U	1.00	0.160
96-12-8	1,2-Dibromo-3-Chloropropane	0.810	U	1.00	0.810
120-82-1	1,2,4-Trichlorobenzene	0.310	U	1.00	0.310
87-68-3	Hexachlorobutadiene	0.170	U	1.00	0.170
91-20-3	Naphthalene	0.7547	J	2.00	0.320
87-61-6	1,2,3-Trichlorobenzene	0.6381	J	1.00	0.570

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	94		67-139
1868-53-7	Dibromofluoromethane	102		62-130
2037-26-5	Toluene-d8 (Surr)	95		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		50-134

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-90241-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 600-131912/5

Matrix: Water Lab File ID: C10206.D

Analysis Method: 8260B Date Collected: _____

Sample wt/vol: 20 (mL) Date Analyzed: 04/12/2014 12:26

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 131912 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	0.120	U	1.00	0.120
74-87-3	Chloromethane	0.180	U	2.00	0.180
75-01-4	Vinyl chloride	0.110	U	2.00	0.110
74-83-9	Bromomethane	0.250	U	2.00	0.250
75-00-3	Chloroethane	0.0800	U	2.00	0.0800
75-69-4	Trichlorofluoromethane	0.0800	U	1.00	0.0800
75-35-4	1,1-Dichloroethene	0.190	U	1.00	0.190
156-60-5	trans-1,2-Dichloroethene	0.0900	U	1.00	0.0900
1634-04-4	Methyl tert-butyl ether	0.120	U	1.00	0.120
75-09-2	Methylene Chloride	0.150	U	5.00	0.150
156-59-2	cis-1,2-Dichloroethene	0.0600	U	1.00	0.0600
78-93-3	2-Butanone (MEK)	0.760	U	2.00	0.760
74-97-5	Bromochloromethane	0.180	U	1.00	0.180
56-23-5	Carbon tetrachloride	0.150	U	1.00	0.150
71-43-2	Benzene	0.0800	U	1.00	0.0800
107-06-2	1,2-Dichloroethane	0.140	U	1.00	0.140
79-01-6	Trichloroethene	0.180	U	1.00	0.180
71-55-6	1,1,1-Trichloroethane	0.150	U	1.00	0.150
75-34-3	1,1-Dichloroethane	0.110	U	1.00	0.110
78-87-5	1,2-Dichloropropane	0.160	U	1.00	0.160
594-20-7	2,2-Dichloropropane	0.130	U	1.00	0.130
74-95-3	Dibromomethane	0.520	U	1.00	0.520
67-66-3	Chloroform	0.130	U	1.00	0.130
75-27-4	Bromodichloromethane	0.160	U	1.00	0.160
110-75-8	2-Chloroethyl vinyl ether	0.500	U	2.00	0.500
563-58-6	1,1-Dichloropropene	0.210	U	1.00	0.210
10061-01-5	cis-1,3-Dichloropropene	0.180	U	1.00	0.180
108-88-3	Toluene	0.150	U	1.00	0.150
10061-02-6	trans-1,3-Dichloropropene	0.210	U	1.00	0.210
79-00-5	1,1,2-Trichloroethane	0.280	U	1.00	0.280
127-18-4	Tetrachloroethene	0.130	U	1.00	0.130
142-28-9	1,3-Dichloropropane	0.220	U	1.00	0.220
124-48-1	Chlorodibromomethane	0.150	U	1.00	0.150
106-93-4	1,2-Dibromoethane	0.180	U	1.00	0.180
108-90-7	Chlorobenzene	0.120	U	1.00	0.120
630-20-6	1,1,1,2-Tetrachloroethane	0.180	U	1.00	0.180

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-90241-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 600-131912/5

Matrix: Water Lab File ID: C10206.D

Analysis Method: 8260B Date Collected: _____

Sample wt/vol: 20 (mL) Date Analyzed: 04/12/2014 12:26

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 131912 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	0.110	U	1.00	0.110
179601-23-1	m-Xylene & p-Xylene	0.170	U	1.00	0.170
1330-20-7	Xylenes, Total	0.260	U	1.00	0.260
95-47-6	o-Xylene	0.120	U	1.00	0.120
100-42-5	Styrene	0.0700	U	1.00	0.0700
75-25-2	Bromoform	0.190	U	1.00	0.190
98-82-8	Isopropylbenzene	0.180	U	1.00	0.180
108-86-1	Bromobenzene	0.190	U	1.00	0.190
96-18-4	1,2,3-Trichloropropane	0.290	U	1.00	0.290
79-34-5	1,1,2,2-Tetrachloroethane	0.220	U	1.00	0.220
103-65-1	N-Propylbenzene	0.150	U	1.00	0.150
95-49-8	2-Chlorotoluene	0.130	U	1.00	0.130
106-43-4	4-Chlorotoluene	0.140	U	1.00	0.140
108-67-8	1,3,5-Trimethylbenzene	0.100	U	1.00	0.100
98-06-6	tert-Butylbenzene	0.0800	U	1.00	0.0800
99-87-6	p-Isopropyltoluene	0.100	U	1.00	0.100
95-63-6	1,2,4-Trimethylbenzene	0.140	U	1.00	0.140
135-98-8	sec-Butylbenzene	0.120	U	1.00	0.120
541-73-1	1,3-Dichlorobenzene	0.130	U	1.00	0.130
106-46-7	1,4-Dichlorobenzene	0.110	U	1.00	0.110
95-50-1	1,2-Dichlorobenzene	0.100	U	1.00	0.100
104-51-8	n-Butylbenzene	0.160	U	1.00	0.160
96-12-8	1,2-Dibromo-3-Chloropropane	0.810	U	1.00	0.810
120-82-1	1,2,4-Trichlorobenzene	0.310	U	1.00	0.310
87-68-3	Hexachlorobutadiene	0.2517	J	1.00	0.170
91-20-3	Naphthalene	0.7648	J	2.00	0.320
87-61-6	1,2,3-Trichlorobenzene	0.7229	J	1.00	0.570

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	109		67-139
1868-53-7	Dibromofluoromethane	75		62-130
2037-26-5	Toluene-d8 (Surr)	101		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	72		50-134

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-90241-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 600-132620/4

Matrix: Water Lab File ID: J11104.D

Analysis Method: 8260B Date Collected: _____

Sample wt/vol: 20 (mL) Date Analyzed: 04/21/2014 10:58

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 132620 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	0.120	U	1.00	0.120
74-87-3	Chloromethane	0.180	U	2.00	0.180
75-01-4	Vinyl chloride	0.110	U	2.00	0.110
74-83-9	Bromomethane	0.250	U	2.00	0.250
75-00-3	Chloroethane	0.0800	U	2.00	0.0800
75-69-4	Trichlorofluoromethane	0.0800	U	1.00	0.0800
75-35-4	1,1-Dichloroethene	0.190	U	1.00	0.190
156-60-5	trans-1,2-Dichloroethene	0.0900	U	1.00	0.0900
1634-04-4	Methyl tert-butyl ether	0.120	U	1.00	0.120
75-09-2	Methylene Chloride	0.150	U	5.00	0.150
156-59-2	cis-1,2-Dichloroethene	0.0600	U	1.00	0.0600
78-93-3	2-Butanone (MEK)	0.760	U	2.00	0.760
74-97-5	Bromochloromethane	0.180	U	1.00	0.180
56-23-5	Carbon tetrachloride	0.150	U	1.00	0.150
71-43-2	Benzene	0.0800	U	1.00	0.0800
107-06-2	1,2-Dichloroethane	0.140	U	1.00	0.140
79-01-6	Trichloroethene	0.180	U	1.00	0.180
71-55-6	1,1,1-Trichloroethane	0.150	U	1.00	0.150
75-34-3	1,1-Dichloroethane	0.110	U	1.00	0.110
78-87-5	1,2-Dichloropropane	0.160	U	1.00	0.160
594-20-7	2,2-Dichloropropane	0.130	U	1.00	0.130
74-95-3	Dibromomethane	0.520	U	1.00	0.520
67-66-3	Chloroform	0.130	U	1.00	0.130
75-27-4	Bromodichloromethane	0.160	U	1.00	0.160
110-75-8	2-Chloroethyl vinyl ether	0.500	U	2.00	0.500
563-58-6	1,1-Dichloropropene	0.210	U	1.00	0.210
10061-01-5	cis-1,3-Dichloropropene	0.180	U	1.00	0.180
108-88-3	Toluene	0.150	U	1.00	0.150
10061-02-6	trans-1,3-Dichloropropene	0.210	U	1.00	0.210
79-00-5	1,1,2-Trichloroethane	0.280	U	1.00	0.280
127-18-4	Tetrachloroethene	0.130	U	1.00	0.130
142-28-9	1,3-Dichloropropane	0.220	U	1.00	0.220
124-48-1	Chlorodibromomethane	0.150	U	1.00	0.150
106-93-4	1,2-Dibromoethane	0.180	U	1.00	0.180
108-90-7	Chlorobenzene	0.120	U	1.00	0.120
630-20-6	1,1,1,2-Tetrachloroethane	0.180	U	1.00	0.180

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-90241-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 600-132620/4

Matrix: Water Lab File ID: J11104.D

Analysis Method: 8260B Date Collected: _____

Sample wt/vol: 20 (mL) Date Analyzed: 04/21/2014 10:58

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 132620 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	0.110	U	1.00	0.110
179601-23-1	m-Xylene & p-Xylene	0.170	U	1.00	0.170
1330-20-7	Xylenes, Total	0.260	U	1.00	0.260
95-47-6	o-Xylene	0.120	U	1.00	0.120
100-42-5	Styrene	0.0700	U	1.00	0.0700
75-25-2	Bromoform	0.190	U	1.00	0.190
98-82-8	Isopropylbenzene	0.180	U	1.00	0.180
108-86-1	Bromobenzene	0.190	U	1.00	0.190
96-18-4	1,2,3-Trichloropropane	0.290	U	1.00	0.290
79-34-5	1,1,2,2-Tetrachloroethane	0.220	U	1.00	0.220
103-65-1	N-Propylbenzene	0.150	U	1.00	0.150
95-49-8	2-Chlorotoluene	0.130	U	1.00	0.130
106-43-4	4-Chlorotoluene	0.140	U	1.00	0.140
108-67-8	1,3,5-Trimethylbenzene	0.100	U	1.00	0.100
98-06-6	tert-Butylbenzene	0.0800	U	1.00	0.0800
99-87-6	p-Isopropyltoluene	0.100	U	1.00	0.100
95-63-6	1,2,4-Trimethylbenzene	0.140	U	1.00	0.140
135-98-8	sec-Butylbenzene	0.120	U	1.00	0.120
541-73-1	1,3-Dichlorobenzene	0.130	U	1.00	0.130
106-46-7	1,4-Dichlorobenzene	0.110	U	1.00	0.110
95-50-1	1,2-Dichlorobenzene	0.100	U	1.00	0.100
104-51-8	n-Butylbenzene	0.160	U	1.00	0.160
96-12-8	1,2-Dibromo-3-Chloropropane	0.810	U	1.00	0.810
120-82-1	1,2,4-Trichlorobenzene	0.310	U	1.00	0.310
87-68-3	Hexachlorobutadiene	0.170	U	1.00	0.170
91-20-3	Naphthalene	0.320	U	2.00	0.320
87-61-6	1,2,3-Trichlorobenzene	0.570	U	1.00	0.570

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	85		67-139
1868-53-7	Dibromofluoromethane	83		62-130
2037-26-5	Toluene-d8 (Surr)	91		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	75		50-134

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-90241-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 600-131850/3

Matrix: Water Lab File ID: C10102.D

Analysis Method: 8260B Date Collected: _____

Sample wt/vol: 20 (mL) Date Analyzed: 04/11/2014 09:49

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 131850 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	9.379		1.00	0.120
74-87-3	Chloromethane	10.54		2.00	0.180
75-01-4	Vinyl chloride	11.18		2.00	0.110
74-83-9	Bromomethane	11.72		2.00	0.250
75-00-3	Chloroethane	9.508		2.00	0.0800
75-69-4	Trichlorofluoromethane	11.65		1.00	0.0800
75-35-4	1,1-Dichloroethene	8.346		1.00	0.190
156-60-5	trans-1,2-Dichloroethene	9.899		1.00	0.0900
1634-04-4	Methyl tert-butyl ether	10.43		1.00	0.120
75-09-2	Methylene Chloride	10.59		5.00	0.150
156-59-2	cis-1,2-Dichloroethene	10.17		1.00	0.0600
78-93-3	2-Butanone (MEK)	20.18		2.00	0.760
74-97-5	Bromochloromethane	9.183		1.00	0.180
56-23-5	Carbon tetrachloride	12.89		1.00	0.150
71-43-2	Benzene	10.19		1.00	0.0800
107-06-2	1,2-Dichloroethane	11.97		1.00	0.140
79-01-6	Trichloroethene	11.33		1.00	0.180
71-55-6	1,1,1-Trichloroethane	12.84		1.00	0.150
75-34-3	1,1-Dichloroethane	10.49		1.00	0.110
78-87-5	1,2-Dichloropropane	9.884		1.00	0.160
594-20-7	2,2-Dichloropropane	12.53		1.00	0.130
74-95-3	Dibromomethane	10.64		1.00	0.520
67-66-3	Chloroform	11.30		1.00	0.130
75-27-4	Bromodichloromethane	11.39		1.00	0.160
110-75-8	2-Chloroethyl vinyl ether	8.638		2.00	0.500
563-58-6	1,1-Dichloropropene	12.25		1.00	0.210
10061-01-5	cis-1,3-Dichloropropene	10.10		1.00	0.180
108-88-3	Toluene	10.90		1.00	0.150
10061-02-6	trans-1,3-Dichloropropene	10.23		1.00	0.210
79-00-5	1,1,2-Trichloroethane	9.292		1.00	0.280
127-18-4	Tetrachloroethene	11.21		1.00	0.130
142-28-9	1,3-Dichloropropane	9.344		1.00	0.220
124-48-1	Chlorodibromomethane	10.14		1.00	0.150
106-93-4	1,2-Dibromoethane	9.653		1.00	0.180
108-90-7	Chlorobenzene	10.04		1.00	0.120
630-20-6	1,1,1,2-Tetrachloroethane	10.99		1.00	0.180

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-90241-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 600-131850/3

Matrix: Water Lab File ID: C10102.D

Analysis Method: 8260B Date Collected: _____

Sample wt/vol: 20 (mL) Date Analyzed: 04/11/2014 09:49

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 131850 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	10.57		1.00	0.110
179601-23-1	m-Xylene & p-Xylene	10.57		1.00	0.170
1330-20-7	Xylenes, Total	21.73		1.00	0.260
95-47-6	o-Xylene	11.16		1.00	0.120
100-42-5	Styrene	9.370		1.00	0.0700
75-25-2	Bromoform	7.395		1.00	0.190
98-82-8	Isopropylbenzene	8.888		1.00	0.180
108-86-1	Bromobenzene	8.080		1.00	0.190
96-18-4	1,2,3-Trichloropropane	7.581		1.00	0.290
79-34-5	1,1,2,2-Tetrachloroethane	6.891		1.00	0.220
103-65-1	N-Propylbenzene	8.435		1.00	0.150
95-49-8	2-Chlorotoluene	8.862		1.00	0.130
106-43-4	4-Chlorotoluene	9.068		1.00	0.140
108-67-8	1,3,5-Trimethylbenzene	8.928		1.00	0.100
98-06-6	tert-Butylbenzene	9.100		1.00	0.0800
99-87-6	p-Isopropyltoluene	9.700		1.00	0.100
95-63-6	1,2,4-Trimethylbenzene	8.969		1.00	0.140
135-98-8	sec-Butylbenzene	9.978		1.00	0.120
541-73-1	1,3-Dichlorobenzene	8.417		1.00	0.130
106-46-7	1,4-Dichlorobenzene	8.265		1.00	0.110
95-50-1	1,2-Dichlorobenzene	8.277		1.00	0.100
104-51-8	n-Butylbenzene	9.415		1.00	0.160
96-12-8	1,2-Dibromo-3-Chloropropane	7.410		1.00	0.810
120-82-1	1,2,4-Trichlorobenzene	9.152		1.00	0.310
87-68-3	Hexachlorobutadiene	10.62		1.00	0.170
91-20-3	Naphthalene	7.483		2.00	0.320
87-61-6	1,2,3-Trichlorobenzene	8.833		1.00	0.570

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	73		67-139
1868-53-7	Dibromofluoromethane	87		62-130
2037-26-5	Toluene-d8 (Surr)	87		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	90		50-134

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-90241-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 600-131912/3

Matrix: Water Lab File ID: C10202.D

Analysis Method: 8260B Date Collected: _____

Sample wt/vol: 20 (mL) Date Analyzed: 04/12/2014 10:43

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 131912 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	8.053		1.00	0.120
74-87-3	Chloromethane	7.572		2.00	0.180
75-01-4	Vinyl chloride	10.05		2.00	0.110
74-83-9	Bromomethane	10.38		2.00	0.250
75-00-3	Chloroethane	9.493		2.00	0.0800
75-69-4	Trichlorofluoromethane	10.83		1.00	0.0800
75-35-4	1,1-Dichloroethene	6.913		1.00	0.190
156-60-5	trans-1,2-Dichloroethene	8.787		1.00	0.0900
1634-04-4	Methyl tert-butyl ether	8.651		1.00	0.120
75-09-2	Methylene Chloride	8.456		5.00	0.150
156-59-2	cis-1,2-Dichloroethene	8.780		1.00	0.0600
78-93-3	2-Butanone (MEK)	16.72		2.00	0.760
74-97-5	Bromochloromethane	7.330		1.00	0.180
56-23-5	Carbon tetrachloride	10.32		1.00	0.150
71-43-2	Benzene	9.039		1.00	0.0800
107-06-2	1,2-Dichloroethane	9.182		1.00	0.140
79-01-6	Trichloroethene	9.692		1.00	0.180
71-55-6	1,1,1-Trichloroethane	10.43		1.00	0.150
75-34-3	1,1-Dichloroethane	8.984		1.00	0.110
78-87-5	1,2-Dichloropropane	8.601		1.00	0.160
594-20-7	2,2-Dichloropropane	10.38		1.00	0.130
74-95-3	Dibromomethane	8.293		1.00	0.520
67-66-3	Chloroform	9.394		1.00	0.130
75-27-4	Bromodichloromethane	9.221		1.00	0.160
110-75-8	2-Chloroethyl vinyl ether	20.93		2.00	0.500
563-58-6	1,1-Dichloropropene	10.52		1.00	0.210
10061-01-5	cis-1,3-Dichloropropene	10.63		1.00	0.180
108-88-3	Toluene	11.87		1.00	0.150
10061-02-6	trans-1,3-Dichloropropene	10.68		1.00	0.210
79-00-5	1,1,2-Trichloroethane	9.703		1.00	0.280
127-18-4	Tetrachloroethene	11.77		1.00	0.130
142-28-9	1,3-Dichloropropane	9.643		1.00	0.220
124-48-1	Chlorodibromomethane	10.11		1.00	0.150
106-93-4	1,2-Dibromoethane	9.881		1.00	0.180
108-90-7	Chlorobenzene	10.87		1.00	0.120
630-20-6	1,1,1,2-Tetrachloroethane	11.14		1.00	0.180

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-90241-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 600-131912/3

Matrix: Water Lab File ID: C10202.D

Analysis Method: 8260B Date Collected: _____

Sample wt/vol: 20 (mL) Date Analyzed: 04/12/2014 10:43

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 131912 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	11.52		1.00	0.110
179601-23-1	m-Xylene & p-Xylene	11.42		1.00	0.170
1330-20-7	Xylenes, Total	23.29		1.00	0.260
95-47-6	o-Xylene	11.87		1.00	0.120
100-42-5	Styrene	9.772		1.00	0.0700
75-25-2	Bromoform	8.741		1.00	0.190
98-82-8	Isopropylbenzene	11.35		1.00	0.180
108-86-1	Bromobenzene	10.11		1.00	0.190
96-18-4	1,2,3-Trichloropropane	8.899		1.00	0.290
79-34-5	1,1,2,2-Tetrachloroethane	8.185		1.00	0.220
103-65-1	N-Propylbenzene	10.81		1.00	0.150
95-49-8	2-Chlorotoluene	11.22		1.00	0.130
106-43-4	4-Chlorotoluene	11.30		1.00	0.140
108-67-8	1,3,5-Trimethylbenzene	11.12		1.00	0.100
98-06-6	tert-Butylbenzene	11.35		1.00	0.0800
99-87-6	p-Isopropyltoluene	12.03		1.00	0.100
95-63-6	1,2,4-Trimethylbenzene	11.05		1.00	0.140
135-98-8	sec-Butylbenzene	12.53		1.00	0.120
541-73-1	1,3-Dichlorobenzene	10.30		1.00	0.130
106-46-7	1,4-Dichlorobenzene	10.09		1.00	0.110
95-50-1	1,2-Dichlorobenzene	10.03		1.00	0.100
104-51-8	n-Butylbenzene	11.56		1.00	0.160
96-12-8	1,2-Dibromo-3-Chloropropane	8.552		1.00	0.810
120-82-1	1,2,4-Trichlorobenzene	11.05		1.00	0.310
87-68-3	Hexachlorobutadiene	12.46		1.00	0.170
91-20-3	Naphthalene	10.16		2.00	0.320
87-61-6	1,2,3-Trichlorobenzene	10.62		1.00	0.570

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	89		67-139
1868-53-7	Dibromofluoromethane	71		62-130
2037-26-5	Toluene-d8 (Surr)	96		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	71		50-134

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-90241-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 600-132620/3

Matrix: Water Lab File ID: J11102.D

Analysis Method: 8260B Date Collected: _____

Sample wt/vol: 20 (mL) Date Analyzed: 04/21/2014 10:05

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 132620 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	8.512		1.00	0.120
74-87-3	Chloromethane	10.73		2.00	0.180
75-01-4	Vinyl chloride	11.08		2.00	0.110
74-83-9	Bromomethane	10.76		2.00	0.250
75-00-3	Chloroethane	10.25		2.00	0.0800
75-69-4	Trichlorofluoromethane	10.85		1.00	0.0800
75-35-4	1,1-Dichloroethene	10.61		1.00	0.190
156-60-5	trans-1,2-Dichloroethene	10.19		1.00	0.0900
1634-04-4	Methyl tert-butyl ether	8.143		1.00	0.120
75-09-2	Methylene Chloride	7.057		5.00	0.150
156-59-2	cis-1,2-Dichloroethene	9.869		1.00	0.0600
78-93-3	2-Butanone (MEK)	16.98		2.00	0.760
74-97-5	Bromochloromethane	9.712		1.00	0.180
56-23-5	Carbon tetrachloride	10.55		1.00	0.150
71-43-2	Benzene	9.862		1.00	0.0800
107-06-2	1,2-Dichloroethane	9.082		1.00	0.140
79-01-6	Trichloroethene	10.64		1.00	0.180
71-55-6	1,1,1-Trichloroethane	10.30		1.00	0.150
75-34-3	1,1-Dichloroethane	9.829		1.00	0.110
78-87-5	1,2-Dichloropropane	9.439		1.00	0.160
594-20-7	2,2-Dichloropropane	9.900		1.00	0.130
74-95-3	Dibromomethane	9.477		1.00	0.520
67-66-3	Chloroform	9.670		1.00	0.130
75-27-4	Bromodichloromethane	9.326		1.00	0.160
110-75-8	2-Chloroethyl vinyl ether	16.15		2.00	0.500
563-58-6	1,1-Dichloropropene	9.868		1.00	0.210
10061-01-5	cis-1,3-Dichloropropene	9.164		1.00	0.180
108-88-3	Toluene	10.33		1.00	0.150
10061-02-6	trans-1,3-Dichloropropene	8.695		1.00	0.210
79-00-5	1,1,2-Trichloroethane	9.688		1.00	0.280
127-18-4	Tetrachloroethene	11.28		1.00	0.130
142-28-9	1,3-Dichloropropane	9.154		1.00	0.220
124-48-1	Chlorodibromomethane	9.586		1.00	0.150
106-93-4	1,2-Dibromoethane	9.428		1.00	0.180
108-90-7	Chlorobenzene	10.18		1.00	0.120
630-20-6	1,1,1,2-Tetrachloroethane	10.41		1.00	0.180

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-90241-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 600-132620/3

Matrix: Water Lab File ID: J11102.D

Analysis Method: 8260B Date Collected: _____

Sample wt/vol: 20 (mL) Date Analyzed: 04/21/2014 10:05

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 132620 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	10.35		1.00	0.110
179601-23-1	m-Xylene & p-Xylene	10.55		1.00	0.170
1330-20-7	Xylenes, Total	20.70		1.00	0.260
95-47-6	o-Xylene	10.15		1.00	0.120
100-42-5	Styrene	9.823		1.00	0.0700
75-25-2	Bromoform	8.123		1.00	0.190
98-82-8	Isopropylbenzene	9.629		1.00	0.180
108-86-1	Bromobenzene	9.445		1.00	0.190
96-18-4	1,2,3-Trichloropropane	8.542		1.00	0.290
79-34-5	1,1,2,2-Tetrachloroethane	9.194		1.00	0.220
103-65-1	N-Propylbenzene	9.825		1.00	0.150
95-49-8	2-Chlorotoluene	9.674		1.00	0.130
106-43-4	4-Chlorotoluene	8.997		1.00	0.140
108-67-8	1,3,5-Trimethylbenzene	9.472		1.00	0.100
98-06-6	tert-Butylbenzene	10.02		1.00	0.0800
99-87-6	p-Isopropyltoluene	10.12		1.00	0.100
95-63-6	1,2,4-Trimethylbenzene	9.447		1.00	0.140
135-98-8	sec-Butylbenzene	9.988		1.00	0.120
541-73-1	1,3-Dichlorobenzene	9.517		1.00	0.130
106-46-7	1,4-Dichlorobenzene	9.549		1.00	0.110
95-50-1	1,2-Dichlorobenzene	9.450		1.00	0.100
104-51-8	n-Butylbenzene	9.756		1.00	0.160
96-12-8	1,2-Dibromo-3-Chloropropane	7.614		1.00	0.810
120-82-1	1,2,4-Trichlorobenzene	9.187		1.00	0.310
87-68-3	Hexachlorobutadiene	11.33		1.00	0.170
91-20-3	Naphthalene	8.138		2.00	0.320
87-61-6	1,2,3-Trichlorobenzene	9.087		1.00	0.570

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	89		67-139
1868-53-7	Dibromofluoromethane	89		62-130
2037-26-5	Toluene-d8 (Surr)	94		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	77		50-134

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-90241-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCSD 600-131912/4

Matrix: Water Lab File ID: C10203.D

Analysis Method: 8260B Date Collected: _____

Sample wt/vol: 20 (mL) Date Analyzed: 04/12/2014 11:10

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 131912 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	7.292		1.00	0.120
74-87-3	Chloromethane	6.904		2.00	0.180
75-01-4	Vinyl chloride	9.383		2.00	0.110
74-83-9	Bromomethane	9.349		2.00	0.250
75-00-3	Chloroethane	9.086		2.00	0.0800
75-69-4	Trichlorofluoromethane	9.913		1.00	0.0800
75-35-4	1,1-Dichloroethene	6.436		1.00	0.190
156-60-5	trans-1,2-Dichloroethene	8.097		1.00	0.0900
1634-04-4	Methyl tert-butyl ether	9.435		1.00	0.120
75-09-2	Methylene Chloride	8.403		5.00	0.150
156-59-2	cis-1,2-Dichloroethene	8.372		1.00	0.0600
78-93-3	2-Butanone (MEK)	16.64		2.00	0.760
74-97-5	Bromochloromethane	7.442		1.00	0.180
56-23-5	Carbon tetrachloride	9.037		1.00	0.150
71-43-2	Benzene	8.435		1.00	0.0800
107-06-2	1,2-Dichloroethane	9.199		1.00	0.140
79-01-6	Trichloroethene	8.748		1.00	0.180
71-55-6	1,1,1-Trichloroethane	9.352		1.00	0.150
75-34-3	1,1-Dichloroethane	8.447		1.00	0.110
78-87-5	1,2-Dichloropropane	8.479		1.00	0.160
594-20-7	2,2-Dichloropropane	9.155		1.00	0.130
74-95-3	Dibromomethane	8.463		1.00	0.520
67-66-3	Chloroform	8.731		1.00	0.130
75-27-4	Bromodichloromethane	9.131		1.00	0.160
110-75-8	2-Chloroethyl vinyl ether	25.47		2.00	0.500
563-58-6	1,1-Dichloropropene	9.418		1.00	0.210
10061-01-5	cis-1,3-Dichloropropene	10.61		1.00	0.180
108-88-3	Toluene	10.81		1.00	0.150
10061-02-6	trans-1,3-Dichloropropene	10.95		1.00	0.210
79-00-5	1,1,2-Trichloroethane	9.887		1.00	0.280
127-18-4	Tetrachloroethene	10.59		1.00	0.130
142-28-9	1,3-Dichloropropane	10.00		1.00	0.220
124-48-1	Chlorodibromomethane	10.30		1.00	0.150
106-93-4	1,2-Dibromoethane	10.45		1.00	0.180
108-90-7	Chlorobenzene	10.29		1.00	0.120
630-20-6	1,1,1,2-Tetrachloroethane	10.69		1.00	0.180

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-90241-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCSD 600-131912/4

Matrix: Water Lab File ID: C10203.D

Analysis Method: 8260B Date Collected: _____

Sample wt/vol: 20 (mL) Date Analyzed: 04/12/2014 11:10

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 131912 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	10.58		1.00	0.110
179601-23-1	m-Xylene & p-Xylene	10.57		1.00	0.170
1330-20-7	Xylenes, Total	21.62		1.00	0.260
95-47-6	o-Xylene	11.05		1.00	0.120
100-42-5	Styrene	9.484		1.00	0.0700
75-25-2	Bromoform	9.074		1.00	0.190
98-82-8	Isopropylbenzene	10.12		1.00	0.180
108-86-1	Bromobenzene	9.779		1.00	0.190
96-18-4	1,2,3-Trichloropropane	9.223		1.00	0.290
79-34-5	1,1,2,2-Tetrachloroethane	8.880		1.00	0.220
103-65-1	N-Propylbenzene	9.558		1.00	0.150
95-49-8	2-Chlorotoluene	10.22		1.00	0.130
106-43-4	4-Chlorotoluene	10.43		1.00	0.140
108-67-8	1,3,5-Trimethylbenzene	9.908		1.00	0.100
98-06-6	tert-Butylbenzene	10.06		1.00	0.0800
99-87-6	p-Isopropyltoluene	10.61		1.00	0.100
95-63-6	1,2,4-Trimethylbenzene	9.998		1.00	0.140
135-98-8	sec-Butylbenzene	10.96		1.00	0.120
541-73-1	1,3-Dichlorobenzene	9.734		1.00	0.130
106-46-7	1,4-Dichlorobenzene	9.637		1.00	0.110
95-50-1	1,2-Dichlorobenzene	9.933		1.00	0.100
104-51-8	n-Butylbenzene	10.16		1.00	0.160
96-12-8	1,2-Dibromo-3-Chloropropane	9.433		1.00	0.810
120-82-1	1,2,4-Trichlorobenzene	11.86		1.00	0.310
87-68-3	Hexachlorobutadiene	10.68		1.00	0.170
91-20-3	Naphthalene	11.12		2.00	0.320
87-61-6	1,2,3-Trichlorobenzene	12.02		1.00	0.570

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	92		67-139
1868-53-7	Dibromofluoromethane	74		62-130
2037-26-5	Toluene-d8 (Surr)	96		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	75		50-134

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-90241-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: 600-90229-F-19 MS

Matrix: Water Lab File ID: C10109.D

Analysis Method: 8260B Date Collected: 04/08/2014 10:30

Sample wt/vol: 20 (mL) Date Analyzed: 04/11/2014 13:04

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 131850 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	7.732		1.00	0.120
74-87-3	Chloromethane	9.219		2.00	0.180
75-01-4	Vinyl chloride	9.337		2.00	0.110
74-83-9	Bromomethane	10.15		2.00	0.250
75-00-3	Chloroethane	8.599		2.00	0.0800
75-69-4	Trichlorofluoromethane	10.19		1.00	0.0800
75-35-4	1,1-Dichloroethene	7.078		1.00	0.190
156-60-5	trans-1,2-Dichloroethene	8.582		1.00	0.0900
1634-04-4	Methyl tert-butyl ether	9.345		1.00	0.120
75-09-2	Methylene Chloride	8.698		5.00	0.150
156-59-2	cis-1,2-Dichloroethene	8.800		1.00	0.0600
78-93-3	2-Butanone (MEK)	18.47		2.00	0.760
74-97-5	Bromochloromethane	8.224		1.00	0.180
56-23-5	Carbon tetrachloride	11.14		1.00	0.150
71-43-2	Benzene	8.890		1.00	0.0800
107-06-2	1,2-Dichloroethane	10.40		1.00	0.140
79-01-6	Trichloroethene	9.760		1.00	0.180
71-55-6	1,1,1-Trichloroethane	11.09		1.00	0.150
75-34-3	1,1-Dichloroethane	9.741		1.00	0.110
78-87-5	1,2-Dichloropropane	8.685		1.00	0.160
594-20-7	2,2-Dichloropropane	10.76		1.00	0.130
74-95-3	Dibromomethane	9.591		1.00	0.520
67-66-3	Chloroform	10.06		1.00	0.130
75-27-4	Bromodichloromethane	10.22		1.00	0.160
110-75-8	2-Chloroethyl vinyl ether	3.404		2.00	0.500
563-58-6	1,1-Dichloropropene	10.12		1.00	0.210
10061-01-5	cis-1,3-Dichloropropene	8.444		1.00	0.180
108-88-3	Toluene	9.003		1.00	0.150
10061-02-6	trans-1,3-Dichloropropene	8.587		1.00	0.210
79-00-5	1,1,2-Trichloroethane	7.835		1.00	0.280
127-18-4	Tetrachloroethene	9.132		1.00	0.130
142-28-9	1,3-Dichloropropane	7.980		1.00	0.220
124-48-1	Chlorodibromomethane	8.642		1.00	0.150
106-93-4	1,2-Dibromoethane	8.126		1.00	0.180
108-90-7	Chlorobenzene	8.433		1.00	0.120
630-20-6	1,1,1,2-Tetrachloroethane	9.087		1.00	0.180

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-90241-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: 600-90229-F-19 MS

Matrix: Water Lab File ID: C10109.D

Analysis Method: 8260B Date Collected: 04/08/2014 10:30

Sample wt/vol: 20 (mL) Date Analyzed: 04/11/2014 13:04

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 131850 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	8.865		1.00	0.110
179601-23-1	m-Xylene & p-Xylene	8.792		1.00	0.170
1330-20-7	Xylenes, Total	18.21		1.00	0.260
95-47-6	o-Xylene	9.414		1.00	0.120
100-42-5	Styrene	7.623		1.00	0.0700
75-25-2	Bromoform	6.825		1.00	0.190
98-82-8	Isopropylbenzene	7.896		1.00	0.180
108-86-1	Bromobenzene	7.157		1.00	0.190
96-18-4	1,2,3-Trichloropropane	6.902		1.00	0.290
79-34-5	1,1,2,2-Tetrachloroethane	6.067		1.00	0.220
103-65-1	N-Propylbenzene	7.492		1.00	0.150
95-49-8	2-Chlorotoluene	7.858		1.00	0.130
106-43-4	4-Chlorotoluene	7.993		1.00	0.140
108-67-8	1,3,5-Trimethylbenzene	7.837		1.00	0.100
98-06-6	tert-Butylbenzene	8.033		1.00	0.0800
99-87-6	p-Isopropyltoluene	8.457		1.00	0.100
95-63-6	1,2,4-Trimethylbenzene	7.854		1.00	0.140
135-98-8	sec-Butylbenzene	8.699		1.00	0.120
541-73-1	1,3-Dichlorobenzene	7.336		1.00	0.130
106-46-7	1,4-Dichlorobenzene	7.310		1.00	0.110
95-50-1	1,2-Dichlorobenzene	7.212		1.00	0.100
104-51-8	n-Butylbenzene	8.063		1.00	0.160
96-12-8	1,2-Dibromo-3-Chloropropane	6.266		1.00	0.810
120-82-1	1,2,4-Trichlorobenzene	6.838		1.00	0.310
87-68-3	Hexachlorobutadiene	8.331		1.00	0.170
91-20-3	Naphthalene	4.052		2.00	0.320
87-61-6	1,2,3-Trichlorobenzene	6.233		1.00	0.570

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	77		67-139
1868-53-7	Dibromofluoromethane	89		62-130
2037-26-5	Toluene-d8 (Surr)	84		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	94		50-134

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-90241-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: 600-90491-F-1 MS

Matrix: Water Lab File ID: J11108.D

Analysis Method: 8260B Date Collected: 04/14/2014 15:10

Sample wt/vol: 20 (mL) Date Analyzed: 04/21/2014 12:55

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 132620 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	8.302		1.00	0.120
74-87-3	Chloromethane	10.40		2.00	0.180
75-01-4	Vinyl chloride	10.60		2.00	0.110
74-83-9	Bromomethane	10.58		2.00	0.250
75-00-3	Chloroethane	10.33		2.00	0.0800
75-69-4	Trichlorofluoromethane	10.32		1.00	0.0800
75-35-4	1,1-Dichloroethene	70.38		1.00	0.190
156-60-5	trans-1,2-Dichloroethene	12.64		1.00	0.0900
1634-04-4	Methyl tert-butyl ether	8.204		1.00	0.120
75-09-2	Methylene Chloride	6.194		5.00	0.150
156-59-2	cis-1,2-Dichloroethene	130.4		1.00	0.0600
78-93-3	2-Butanone (MEK)	18.13		2.00	0.760
74-97-5	Bromochloromethane	9.481		1.00	0.180
56-23-5	Carbon tetrachloride	10.39		1.00	0.150
71-43-2	Benzene	10.15		1.00	0.0800
107-06-2	1,2-Dichloroethane	9.828		1.00	0.140
79-01-6	Trichloroethene	53.81		1.00	0.180
71-55-6	1,1,1-Trichloroethane	10.21		1.00	0.150
75-34-3	1,1-Dichloroethane	26.84		1.00	0.110
78-87-5	1,2-Dichloropropane	9.862		1.00	0.160
594-20-7	2,2-Dichloropropane	10.08		1.00	0.130
74-95-3	Dibromomethane	9.475		1.00	0.520
67-66-3	Chloroform	10.08		1.00	0.130
75-27-4	Bromodichloromethane	9.465		1.00	0.160
110-75-8	2-Chloroethyl vinyl ether	34.49		2.00	0.500
563-58-6	1,1-Dichloropropene	10.08		1.00	0.210
10061-01-5	cis-1,3-Dichloropropene	8.669		1.00	0.180
108-88-3	Toluene	10.45		1.00	0.150
10061-02-6	trans-1,3-Dichloropropene	8.137		1.00	0.210
79-00-5	1,1,2-Trichloroethane	10.55		1.00	0.280
127-18-4	Tetrachloroethene	28.10		1.00	0.130
142-28-9	1,3-Dichloropropane	9.462		1.00	0.220
124-48-1	Chlorodibromomethane	9.465		1.00	0.150
106-93-4	1,2-Dibromoethane	9.545		1.00	0.180
108-90-7	Chlorobenzene	10.54		1.00	0.120
630-20-6	1,1,1,2-Tetrachloroethane	10.54		1.00	0.180

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-90241-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: 600-90491-F-1 MS

Matrix: Water Lab File ID: J11108.D

Analysis Method: 8260B Date Collected: 04/14/2014 15:10

Sample wt/vol: 20 (mL) Date Analyzed: 04/21/2014 12:55

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 132620 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	10.46		1.00	0.110
179601-23-1	m-Xylene & p-Xylene	10.65		1.00	0.170
1330-20-7	Xylenes, Total	20.89		1.00	0.260
95-47-6	o-Xylene	10.24		1.00	0.120
100-42-5	Styrene	9.706		1.00	0.0700
75-25-2	Bromoform	7.621		1.00	0.190
98-82-8	Isopropylbenzene	9.674		1.00	0.180
108-86-1	Bromobenzene	9.288		1.00	0.190
96-18-4	1,2,3-Trichloropropane	8.114		1.00	0.290
79-34-5	1,1,2,2-Tetrachloroethane	9.185		1.00	0.220
103-65-1	N-Propylbenzene	9.708		1.00	0.150
95-49-8	2-Chlorotoluene	9.696		1.00	0.130
106-43-4	4-Chlorotoluene	8.842		1.00	0.140
108-67-8	1,3,5-Trimethylbenzene	9.493		1.00	0.100
98-06-6	tert-Butylbenzene	10.00		1.00	0.0800
99-87-6	p-Isopropyltoluene	9.852		1.00	0.100
95-63-6	1,2,4-Trimethylbenzene	9.275		1.00	0.140
135-98-8	sec-Butylbenzene	9.925		1.00	0.120
541-73-1	1,3-Dichlorobenzene	9.442		1.00	0.130
106-46-7	1,4-Dichlorobenzene	9.399		1.00	0.110
95-50-1	1,2-Dichlorobenzene	9.272		1.00	0.100
104-51-8	n-Butylbenzene	9.550		1.00	0.160
96-12-8	1,2-Dibromo-3-Chloropropane	8.197		1.00	0.810
120-82-1	1,2,4-Trichlorobenzene	9.146		1.00	0.310
87-68-3	Hexachlorobutadiene	10.86		1.00	0.170
91-20-3	Naphthalene	8.006		2.00	0.320
87-61-6	1,2,3-Trichlorobenzene	8.955		1.00	0.570

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	86		67-139
1868-53-7	Dibromofluoromethane	90		62-130
2037-26-5	Toluene-d8 (Surr)	97		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	78		50-134

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-90241-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: 600-90229-F-19 MSD

Matrix: Water Lab File ID: C10110.D

Analysis Method: 8260B Date Collected: 04/08/2014 10:30

Sample wt/vol: 20 (mL) Date Analyzed: 04/11/2014 13:29

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 131850 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	7.430		1.00	0.120
74-87-3	Chloromethane	8.885		2.00	0.180
75-01-4	Vinyl chloride	9.374		2.00	0.110
74-83-9	Bromomethane	9.110		2.00	0.250
75-00-3	Chloroethane	8.064		2.00	0.0800
75-69-4	Trichlorofluoromethane	9.678		1.00	0.0800
75-35-4	1,1-Dichloroethene	6.861		1.00	0.190
156-60-5	trans-1,2-Dichloroethene	8.463		1.00	0.0900
1634-04-4	Methyl tert-butyl ether	10.07		1.00	0.120
75-09-2	Methylene Chloride	8.244		5.00	0.150
156-59-2	cis-1,2-Dichloroethene	8.548		1.00	0.0600
78-93-3	2-Butanone (MEK)	18.48		2.00	0.760
74-97-5	Bromochloromethane	8.130		1.00	0.180
56-23-5	Carbon tetrachloride	10.09		1.00	0.150
71-43-2	Benzene	8.525		1.00	0.0800
107-06-2	1,2-Dichloroethane	10.06		1.00	0.140
79-01-6	Trichloroethene	9.160		1.00	0.180
71-55-6	1,1,1-Trichloroethane	10.25		1.00	0.150
75-34-3	1,1-Dichloroethane	9.313		1.00	0.110
78-87-5	1,2-Dichloropropane	8.592		1.00	0.160
594-20-7	2,2-Dichloropropane	9.947		1.00	0.130
74-95-3	Dibromomethane	9.280		1.00	0.520
67-66-3	Chloroform	9.426		1.00	0.130
75-27-4	Bromodichloromethane	9.876		1.00	0.160
110-75-8	2-Chloroethyl vinyl ether	3.409		2.00	0.500
563-58-6	1,1-Dichloropropene	9.703		1.00	0.210
10061-01-5	cis-1,3-Dichloropropene	8.512		1.00	0.180
108-88-3	Toluene	8.729		1.00	0.150
10061-02-6	trans-1,3-Dichloropropene	9.029		1.00	0.210
79-00-5	1,1,2-Trichloroethane	8.350		1.00	0.280
127-18-4	Tetrachloroethene	8.716		1.00	0.130
142-28-9	1,3-Dichloropropane	8.308		1.00	0.220
124-48-1	Chlorodibromomethane	8.919		1.00	0.150
106-93-4	1,2-Dibromoethane	8.599		1.00	0.180
108-90-7	Chlorobenzene	8.313		1.00	0.120
630-20-6	1,1,1,2-Tetrachloroethane	9.000		1.00	0.180

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-90241-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: 600-90229-F-19 MSD

Matrix: Water Lab File ID: C10110.D

Analysis Method: 8260B Date Collected: 04/08/2014 10:30

Sample wt/vol: 20 (mL) Date Analyzed: 04/11/2014 13:29

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 131850 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	8.529		1.00	0.110
179601-23-1	m-Xylene & p-Xylene	8.569		1.00	0.170
1330-20-7	Xylenes, Total	17.71		1.00	0.260
95-47-6	o-Xylene	9.140		1.00	0.120
100-42-5	Styrene	7.790		1.00	0.0700
75-25-2	Bromoform	7.173		1.00	0.190
98-82-8	Isopropylbenzene	7.726		1.00	0.180
108-86-1	Bromobenzene	7.411		1.00	0.190
96-18-4	1,2,3-Trichloropropane	7.596		1.00	0.290
79-34-5	1,1,2,2-Tetrachloroethane	6.936		1.00	0.220
103-65-1	N-Propylbenzene	7.435		1.00	0.150
95-49-8	2-Chlorotoluene	7.741		1.00	0.130
106-43-4	4-Chlorotoluene	7.970		1.00	0.140
108-67-8	1,3,5-Trimethylbenzene	7.751		1.00	0.100
98-06-6	tert-Butylbenzene	7.811		1.00	0.0800
99-87-6	p-Isopropyltoluene	8.207		1.00	0.100
95-63-6	1,2,4-Trimethylbenzene	7.818		1.00	0.140
135-98-8	sec-Butylbenzene	8.515		1.00	0.120
541-73-1	1,3-Dichlorobenzene	7.512		1.00	0.130
106-46-7	1,4-Dichlorobenzene	7.503		1.00	0.110
95-50-1	1,2-Dichlorobenzene	7.744		1.00	0.100
104-51-8	n-Butylbenzene	7.993		1.00	0.160
96-12-8	1,2-Dibromo-3-Chloropropane	7.556		1.00	0.810
120-82-1	1,2,4-Trichlorobenzene	8.708		1.00	0.310
87-68-3	Hexachlorobutadiene	8.635		1.00	0.170
91-20-3	Naphthalene	6.990		2.00	0.320
87-61-6	1,2,3-Trichlorobenzene	8.710		1.00	0.570

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	77		67-139
1868-53-7	Dibromofluoromethane	86		62-130
2037-26-5	Toluene-d8 (Surr)	83		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	90		50-134

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-90241-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: 600-90491-G-1 MSD

Matrix: Water Lab File ID: J11109.D

Analysis Method: 8260B Date Collected: 04/14/2014 15:10

Sample wt/vol: 20 (mL) Date Analyzed: 04/21/2014 13:22

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 132620 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	8.012		1.00	0.120
74-87-3	Chloromethane	10.62		2.00	0.180
75-01-4	Vinyl chloride	10.74		2.00	0.110
74-83-9	Bromomethane	10.56		2.00	0.250
75-00-3	Chloroethane	10.81		2.00	0.0800
75-69-4	Trichlorofluoromethane	10.42		1.00	0.0800
75-35-4	1,1-Dichloroethene	103.0		1.00	0.190
156-60-5	trans-1,2-Dichloroethene	13.36		1.00	0.0900
1634-04-4	Methyl tert-butyl ether	8.431		1.00	0.120
75-09-2	Methylene Chloride	6.991		5.00	0.150
156-59-2	cis-1,2-Dichloroethene	159.0		1.00	0.0600
78-93-3	2-Butanone (MEK)	18.57		2.00	0.760
74-97-5	Bromochloromethane	9.764		1.00	0.180
56-23-5	Carbon tetrachloride	10.60		1.00	0.150
71-43-2	Benzene	10.45		1.00	0.0800
107-06-2	1,2-Dichloroethane	10.52		1.00	0.140
79-01-6	Trichloroethene	68.17		1.00	0.180
71-55-6	1,1,1-Trichloroethane	10.66		1.00	0.150
75-34-3	1,1-Dichloroethane	31.98		1.00	0.110
78-87-5	1,2-Dichloropropane	10.20		1.00	0.160
594-20-7	2,2-Dichloropropane	10.26		1.00	0.130
74-95-3	Dibromomethane	9.593		1.00	0.520
67-66-3	Chloroform	10.51		1.00	0.130
75-27-4	Bromodichloromethane	9.794		1.00	0.160
110-75-8	2-Chloroethyl vinyl ether	0.6563	J	2.00	0.500
563-58-6	1,1-Dichloropropene	10.26		1.00	0.210
10061-01-5	cis-1,3-Dichloropropene	9.348		1.00	0.180
108-88-3	Toluene	10.56		1.00	0.150
10061-02-6	trans-1,3-Dichloropropene	8.979		1.00	0.210
79-00-5	1,1,2-Trichloroethane	10.70		1.00	0.280
127-18-4	Tetrachloroethene	35.20		1.00	0.130
142-28-9	1,3-Dichloropropane	9.414		1.00	0.220
124-48-1	Chlorodibromomethane	9.864		1.00	0.150
106-93-4	1,2-Dibromoethane	9.892		1.00	0.180
108-90-7	Chlorobenzene	10.67		1.00	0.120
630-20-6	1,1,1,2-Tetrachloroethane	10.75		1.00	0.180

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-90241-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: 600-90491-G-1 MSD

Matrix: Water Lab File ID: J11109.D

Analysis Method: 8260B Date Collected: 04/14/2014 15:10

Sample wt/vol: 20 (mL) Date Analyzed: 04/21/2014 13:22

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 132620 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	10.70		1.00	0.110
179601-23-1	m-Xylene & p-Xylene	10.78		1.00	0.170
1330-20-7	Xylenes, Total	21.31		1.00	0.260
95-47-6	o-Xylene	10.53		1.00	0.120
100-42-5	Styrene	9.917		1.00	0.0700
75-25-2	Bromoform	8.411		1.00	0.190
98-82-8	Isopropylbenzene	9.992		1.00	0.180
108-86-1	Bromobenzene	9.926		1.00	0.190
96-18-4	1,2,3-Trichloropropane	9.133		1.00	0.290
79-34-5	1,1,2,2-Tetrachloroethane	9.457		1.00	0.220
103-65-1	N-Propylbenzene	10.19		1.00	0.150
95-49-8	2-Chlorotoluene	10.10		1.00	0.130
106-43-4	4-Chlorotoluene	9.306		1.00	0.140
108-67-8	1,3,5-Trimethylbenzene	9.903		1.00	0.100
98-06-6	tert-Butylbenzene	10.34		1.00	0.0800
99-87-6	p-Isopropyltoluene	10.32		1.00	0.100
95-63-6	1,2,4-Trimethylbenzene	9.650		1.00	0.140
135-98-8	sec-Butylbenzene	10.40		1.00	0.120
541-73-1	1,3-Dichlorobenzene	9.924		1.00	0.130
106-46-7	1,4-Dichlorobenzene	10.00		1.00	0.110
95-50-1	1,2-Dichlorobenzene	9.862		1.00	0.100
104-51-8	n-Butylbenzene	9.924		1.00	0.160
96-12-8	1,2-Dibromo-3-Chloropropane	7.962		1.00	0.810
120-82-1	1,2,4-Trichlorobenzene	9.630		1.00	0.310
87-68-3	Hexachlorobutadiene	11.67		1.00	0.170
91-20-3	Naphthalene	8.582		2.00	0.320
87-61-6	1,2,3-Trichlorobenzene	9.670		1.00	0.570

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	87		67-139
1868-53-7	Dibromofluoromethane	90		62-130
2037-26-5	Toluene-d8 (Surr)	95		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	80		50-134

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Houston Job No.: 600-90241-1

SDG No.: _____

Instrument ID: VOAMS01 Start Date: 03/06/2014 08:19Analysis Batch Number: 128860 End Date: 03/06/2014 20:15

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 600-128860/1		03/06/2014 08:19	1	C06500.D	DB-VRX 60 0.25 (mm)
IC 600-128860/2		03/06/2014 10:00	1	C06502.D	DB-VRX 60 0.25 (mm)
IC 600-128860/3		03/06/2014 10:28	1	C06503.D	DB-VRX 60 0.25 (mm)
IC 600-128860/4		03/06/2014 10:54	1	C06504.D	DB-VRX 60 0.25 (mm)
ICIS 600-128860/5		03/06/2014 11:30	1	C06505.D	DB-VRX 60 0.25 (mm)
IC 600-128860/6		03/06/2014 11:55	1	C06506.D	DB-VRX 60 0.25 (mm)
IC 600-128860/7		03/06/2014 12:21	1	C06507.D	DB-VRX 60 0.25 (mm)
ZZZZZ		03/06/2014 13:24	1		DB-VRX 60 0.25 (mm)
ZZZZZ		03/06/2014 14:17	1		DB-VRX 60 0.25 (mm)
ZZZZZ		03/06/2014 16:23	1		DB-VRX 60 0.25 (mm)
ZZZZZ		03/06/2014 16:49	1		DB-VRX 60 0.25 (mm)
ZZZZZ		03/06/2014 17:15	1		DB-VRX 60 0.25 (mm)
ZZZZZ		03/06/2014 17:41	1		DB-VRX 60 0.25 (mm)
ZZZZZ		03/06/2014 18:07	20		DB-VRX 60 0.25 (mm)
ZZZZZ		03/06/2014 18:32	1000		DB-VRX 60 0.25 (mm)
ZZZZZ		03/06/2014 18:58	10000		DB-VRX 60 0.25 (mm)
ZZZZZ		03/06/2014 19:24	200000		DB-VRX 60 0.25 (mm)
ZZZZZ		03/06/2014 19:49	2000		DB-VRX 60 0.25 (mm)
ZZZZZ		03/06/2014 20:15	2000		DB-VRX 60 0.25 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Houston Job No.: 600-90241-1

SDG No.: _____

Instrument ID: VOAMS01 Start Date: 04/11/2014 08:21Analysis Batch Number: 131850 End Date: 04/11/2014 20:07

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 600-131850/1		04/11/2014 08:21	1	C10100.D	DB-VRX 60 0.25 (mm)
CCVIS 600-131850/2		04/11/2014 08:49	1	C10101.D	DB-VRX 60 0.25 (mm)
LCS 600-131850/3		04/11/2014 09:49	1	C10102.D	DB-VRX 60 0.25 (mm)
MB 600-131850/4		04/11/2014 11:21	1	C10105.D	DB-VRX 60 0.25 (mm)
ZZZZZ		04/11/2014 11:46	1		DB-VRX 60 0.25 (mm)
ZZZZZ		04/11/2014 12:12	1		DB-VRX 60 0.25 (mm)
ZZZZZ		04/11/2014 12:38	1		DB-VRX 60 0.25 (mm)
600-90229-F-19 MS		04/11/2014 13:04	1	C10109.D	DB-VRX 60 0.25 (mm)
600-90229-F-19 MSD		04/11/2014 13:29	1	C10110.D	DB-VRX 60 0.25 (mm)
ZZZZZ		04/11/2014 13:55	1		DB-VRX 60 0.25 (mm)
ZZZZZ		04/11/2014 14:21	1		DB-VRX 60 0.25 (mm)
ZZZZZ		04/11/2014 16:17	1		DB-VRX 60 0.25 (mm)
ZZZZZ		04/11/2014 16:43	1		DB-VRX 60 0.25 (mm)
ZZZZZ		04/11/2014 17:08	1		DB-VRX 60 0.25 (mm)
ZZZZZ		04/11/2014 17:34	1		DB-VRX 60 0.25 (mm)
ZZZZZ		04/11/2014 17:59	1		DB-VRX 60 0.25 (mm)
ZZZZZ		04/11/2014 18:24	1		DB-VRX 60 0.25 (mm)
ZZZZZ		04/11/2014 18:50	1		DB-VRX 60 0.25 (mm)
600-90241-2	ARTESIA-MW17C-0408201 4	04/11/2014 19:41	1	C10124.D	DB-VRX 60 0.25 (mm)
ZZZZZ		04/11/2014 20:07	20		DB-VRX 60 0.25 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica HoustonJob No.: 600-90241-1

SDG No.: _____

Instrument ID: VOAMS01Start Date: 04/12/2014 09:09Analysis Batch Number: 131912End Date: 04/12/2014 21:00

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 600-131912/1		04/12/2014 09:09	1	C10200.D	DB-VRX 60 0.25 (mm)
CCVIS 600-131912/2		04/12/2014 09:58	1	C10201.D	DB-VRX 60 0.25 (mm)
LCS 600-131912/3		04/12/2014 10:43	1	C10202.D	DB-VRX 60 0.25 (mm)
LCSD 600-131912/4		04/12/2014 11:10	1	C10203.D	DB-VRX 60 0.25 (mm)
MB 600-131912/5		04/12/2014 12:26	1	C10206.D	DB-VRX 60 0.25 (mm)
600-90241-4	ARTESIA-MW18-04082014	04/12/2014 12:51	1	C10207.D	DB-VRX 60 0.25 (mm)
ZZZZZ		04/12/2014 13:17	1		DB-VRX 60 0.25 (mm)
600-90241-13	ARTESIA-MW30-04082014 MSD	04/12/2014 13:43	1	C10209.D	DB-VRX 60 0.25 (mm)
600-90241-14	ARTESIA-MW32-04082014	04/12/2014 14:08	1	C10210.D	DB-VRX 60 0.25 (mm)
600-90241-15	ARTESIA-EB01-04082014	04/12/2014 14:34	1	C10211.D	DB-VRX 60 0.25 (mm)
600-90241-16	ARTESIA-MW33-04082014	04/12/2014 15:00	1	C10212.D	DB-VRX 60 0.25 (mm)
600-90241-5	ARTESIA-MW21-04082014	04/12/2014 15:26	1	C10213.D	DB-VRX 60 0.25 (mm)
600-90241-1	ARTESIA-TB01-04082014	04/12/2014 15:55	1	C10214.D	DB-VRX 60 0.25 (mm)
600-90241-6	ARTESIA-MW31-04082014	04/12/2014 16:20	1	C10215.D	DB-VRX 60 0.25 (mm)
600-90241-7	ARTESIA-MW25-04082014	04/12/2014 16:45	1	C10216.D	DB-VRX 60 0.25 (mm)
600-90241-8	ARTESIA-MW26-04082014	04/12/2014 17:10	1	C10217.D	DB-VRX 60 0.25 (mm)
600-90241-9	ARTESIA-DUP01-04082014	04/12/2014 17:36	1	C10218.D	DB-VRX 60 0.25 (mm)
600-90241-10	ARTESIA-MW28-04082014	04/12/2014 18:01	1	C10219.D	DB-VRX 60 0.25 (mm)
600-90241-11	ARTESIA-MW30-04082014	04/12/2014 18:26	1	C10220.D	DB-VRX 60 0.25 (mm)
600-90241-12	ARTESIA-MW30-04082014 MS	04/12/2014 18:52	1	C10221.D	DB-VRX 60 0.25 (mm)
ZZZZZ		04/12/2014 19:18	1		DB-VRX 60 0.25 (mm)
ZZZZZ		04/12/2014 19:43	1		DB-VRX 60 0.25 (mm)
ZZZZZ		04/12/2014 20:09	1		DB-VRX 60 0.25 (mm)
600-90241-3 DL	ARTESIA-MW12-04082014 DL	04/12/2014 20:35	50	C10225.D	DB-VRX 60 0.25 (mm)
ZZZZZ		04/12/2014 21:00	1		DB-VRX 60 0.25 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Houston Job No.: 600-90241-1

SDG No.: _____

Instrument ID: VOAMS06 Start Date: 03/28/2014 12:04Analysis Batch Number: 130858 End Date: 03/28/2014 22:23

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 600-130858/1		03/28/2014 12:04	1	J08700.D	DB-VRX 60 0.25 (mm)
IC 600-130858/2		03/28/2014 13:00	1	J08702.D	DB-VRX 60 0.25 (mm)
IC 600-130858/3		03/28/2014 13:27	1	J08703.D	DB-VRX 60 0.25 (mm)
IC 600-130858/4		03/28/2014 13:54	1	J08704.D	DB-VRX 60 0.25 (mm)
ICIS 600-130858/5		03/28/2014 14:21	1	J08705.D	DB-VRX 60 0.25 (mm)
IC 600-130858/6		03/28/2014 14:48	1	J08706.D	DB-VRX 60 0.25 (mm)
IC 600-130858/7		03/28/2014 15:14	1	J08707.D	DB-VRX 60 0.25 (mm)
ZZZZZ		03/28/2014 17:02	1		DB-VRX 60 0.25 (mm)
ZZZZZ		03/28/2014 19:16	1		DB-VRX 60 0.25 (mm)
ZZZZZ		03/28/2014 19:43	1		DB-VRX 60 0.25 (mm)
ZZZZZ		03/28/2014 20:10	1		DB-VRX 60 0.25 (mm)
ZZZZZ		03/28/2014 20:36	1		DB-VRX 60 0.25 (mm)
ZZZZZ		03/28/2014 21:03	1		DB-VRX 60 0.25 (mm)
ZZZZZ		03/28/2014 21:30	1		DB-VRX 60 0.25 (mm)
ZZZZZ		03/28/2014 21:56	1		DB-VRX 60 0.25 (mm)
600-88537-A-1 MDLV		03/28/2014 22:23	1		DB-VRX 60 0.25 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica HoustonJob No.: 600-90241-1

SDG No.: _____

Instrument ID: VOAMS06Start Date: 04/21/2014 09:12Analysis Batch Number: 132620End Date: 04/21/2014 20:57

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 600-132620/1		04/21/2014 09:12	1	J11100.D	DB-VRX 60 0.25 (mm)
CCVIS 600-132620/2		04/21/2014 09:38	1	J11101.D	DB-VRX 60 0.25 (mm)
LCS 600-132620/3		04/21/2014 10:05	1	J11102.D	DB-VRX 60 0.25 (mm)
MB 600-132620/4		04/21/2014 10:58	1	J11104.D	DB-VRX 60 0.25 (mm)
ZZZZZ		04/21/2014 11:25	1		DB-VRX 60 0.25 (mm)
ZZZZZ		04/21/2014 11:52	1		DB-VRX 60 0.25 (mm)
600-90241-3	ARTESIA-MW12-04082014	04/21/2014 12:28	5	J11107.D	DB-VRX 60 0.25 (mm)
600-90491-F-1 MS		04/21/2014 12:55	1	J11108.D	DB-VRX 60 0.25 (mm)
600-90491-G-1 MSD		04/21/2014 13:22	1	J11109.D	DB-VRX 60 0.25 (mm)
ZZZZZ		04/21/2014 13:48	1		DB-VRX 60 0.25 (mm)
ZZZZZ		04/21/2014 14:15	10		DB-VRX 60 0.25 (mm)
ZZZZZ		04/21/2014 14:42	1		DB-VRX 60 0.25 (mm)
ZZZZZ		04/21/2014 15:08	1		DB-VRX 60 0.25 (mm)
ZZZZZ		04/21/2014 15:35	1		DB-VRX 60 0.25 (mm)
ZZZZZ		04/21/2014 16:01	1		DB-VRX 60 0.25 (mm)
ZZZZZ		04/21/2014 16:28	1		DB-VRX 60 0.25 (mm)
ZZZZZ		04/21/2014 16:55	1		DB-VRX 60 0.25 (mm)
ZZZZZ		04/21/2014 17:21	1		DB-VRX 60 0.25 (mm)
ZZZZZ		04/21/2014 17:48	1		DB-VRX 60 0.25 (mm)
ZZZZZ		04/21/2014 18:16	1		DB-VRX 60 0.25 (mm)
ZZZZZ		04/21/2014 18:43	1		DB-VRX 60 0.25 (mm)
ZZZZZ		04/21/2014 19:10	1		DB-VRX 60 0.25 (mm)
ZZZZZ		04/21/2014 19:36	1		DB-VRX 60 0.25 (mm)
ZZZZZ		04/21/2014 20:03	1		DB-VRX 60 0.25 (mm)
ZZZZZ		04/21/2014 20:30	1		DB-VRX 60 0.25 (mm)
ZZZZZ		04/21/2014 20:57	1		DB-VRX 60 0.25 (mm)

Shipping and Receiving Documents

TestAmerica Houston
6316 Kothway Street
Houston, TX 77040
Phone (713) 690-4444 Fax (713) 690-5646

Cha



Client Information		Sampling: Luke Hill		COC No: 900-27487-9521 2	
Client Contact: Luke Hill		Phone: (205) 240-3235		Page 1 of 2	
Company: CH2M Hill, Inc.		E-Mail: cathy.upton@testamericainc.com		Job #:	

Address: 4041 Jefferson Plaza NE Suite 200		Due Date Requested:		Analysis Requested	
City: Albuquerque		TAT Requested (days):			
State, Zip: NM, 87109		PO #: 469935-1301			
Phone: 281-721-8546(Tel)		IWO #: 60004334			
Email: Luke.Hill@ch2m.com		Project #: 60004334			
Project Name: Dowell - Artesia Groundwater		SSOW#:			
Site: Dowell - Artesia Groundwater					

Sample ID	Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix (W=Water, S=solid, O=Other, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B LL - (MCD) Custom List	Preservation Codes:	Special Instructions/Note:
ARTESIA-TB01	04082014	4/8/14	0700	G	Water	N	N	X		Trip Blank
ARTESIA-MW17C	04082014	4/8/14	0830	G	Water	N	N	X		
ARTESIA-MW1Z	04082014	4/8/14	0930	G	Water	N	N	X		
ARTESIA-MW18	04082014	4/8/14	1015	G	Water	N	N	X		
ARTESIA-MW21	04082014	4/8/14	1100	G	Water	N	N	X		
ARTESIA-MW31	04082014	4/8/14	1210	G	Water	N	N	X		
ARTESIA-MW25	04082014	4/8/14	1350	G	Water	N	N	X		
ARTESIA-MW26	04082014	4/8/14	1505	G	Water	N	N	X		
ARTESIA-DUP01	04082014	4/8/14	1700	G	Water	N	N	X		
ARTESIA-MW28	04082014	4/8/14	1545	G	Water	N	N	X		
ARTESIA-MW30	04082014	4/8/14	1640	G	Water	N	N	X		

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)		Return To Client ☐ Archive For ☐ Months	
Special Instructions/QC Requirements:		Special Instructions/QC Requirements:	
Empty Kit Relinquished by: Luke Hill		Date: 4/9/14	
Relinquished by: Luke Hill		Date/Time: 4/9/14 1330	
Relinquished by: Luke Hill		Date/Time: 4/9/14 1330	
Relinquished by: Luke Hill		Date/Time: 4/9/14 1330	
Custody Seals Intact: Yes No		Custody Seal No.:	

T. Leica Houston
6310 Railway Street
Houston, TX 77040
Phone (713) 690-4444 Fax (713)

Client Information Client Contact: Luke Hill Phone: (205) 240-3235 E-Mail: cathy.upton@testamericainc.com		Lab PM Upton, Cathy L E-Mail: cathy.upton@testamericainc.com		Carrier Tracking No(s): 600-27487-9521.2 Page 2 of 2 Job #	
Analysis Requested					
Due Date Requested: TAT Requested (days):		Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other:			
PO #: 489935-1301 WO #:		Total Number of Containers:			
Project #: 60004334 SSOW#:		Special Instructions/Note:			
Site: Dowell - Artesia Groundwater		Matrix Spike Duplicate			
Site: Dowell - Artesia Groundwater		Equipment Blank			
Sample Identification ARTESIA - MW30-04082014 MS ARTESIA - MW30-04082014 MSD ARTESIA - MW32-04082014 ARTESIA - EBO1-04082014 ARTESIA - MW33-04082014		Special Instructions/Note:			
Sample Date 4/8/14 4/8/14 4/8/14 4/8/14 4/8/14		Sample Time 1640 1640 1725 1705 1750			
Sample Type G G G G G		Matrix Water Water Water Water Water			
Sample Date 4/8/14 4/8/14 4/8/14 4/8/14 4/8/14		Sample Time 1640 1640 1725 1705 1750			
Sample Type G G G G G		Matrix Water Water Water Water Water			
Sample Date 4/8/14 4/8/14 4/8/14 4/8/14 4/8/14		Sample Time 1640 1640 1725 1705 1750			
Sample Type G G G G G		Matrix Water Water Water Water Water			
Sample Date 4/8/14 4/8/14 4/8/14 4/8/14 4/8/14		Sample Time 1640 1640 1725 1705 1750			
Sample Type G G G G G		Matrix Water Water Water Water Water			
Sample Date 4/8/14 4/8/14 4/8/14 4/8/14 4/8/14		Sample Time 1640 1640 1725 1705 1750			
Sample Type G G G G G		Matrix Water Water Water Water Water			
Sample Date 4/8/14 4/8/14 4/8/14 4/8/14 4/8/14		Sample Time 1640 1640 1725 1705 1750			
Sample Type G G G G G		Matrix Water Water Water Water Water			
Sample Date 4/8/14 4/8/14 4/8/14 4/8/14 4/8/14		Sample Time 1640 1640 1725 1705 1750			
Sample Type G G G G G		Matrix Water Water Water Water Water			
Sample Date 4/8/14 4/8/14 4/8/14 4/8/14 4/8/14		Sample Time 1640 1640 1725 1705 1750			
Sample Type G G G G G		Matrix Water Water Water Water Water			
Sample Date 4/8/14 4/8/14 4/8/14 4/8/14 4/8/14		Sample Time 1640 1640 1725 1705 1750			
Sample Type G G G G G		Matrix Water Water Water Water Water			
Sample Date 4/8/14 4/8/14 4/8/14 4/8/14 4/8/14		Sample Time 1640 1640 1725 1705 1750			
Sample Type G G G G G		Matrix Water Water Water Water Water			
Sample Date 4/8/14 4/8/14 4/8/14 4/8/14 4/8/14		Sample Time 1640 1640 1725 1705 1750			
Sample Type G G G G G		Matrix Water Water Water Water Water			
Sample Date 4/8/14 4/8/14 4/8/14 4/8/14 4/8/14		Sample Time 1640 1640 1725 1705 1750			
Sample Type G G G G G		Matrix Water Water Water Water Water			
Sample Date 4/8/14 4/8/14 4/8/14 4/8/14 4/8/14		Sample Time 1640 1640 1725 1705 1750			
Sample Type G G G G G		Matrix Water Water Water Water Water			
Sample Date 4/8/14 4/8/14 4/8/14 4/8/14 4/8/14		Sample Time 1640 1640 1725 1705 1750			
Sample Type G G G G G		Matrix Water Water Water Water Water			
Sample Date 4/8/14 4/8/14 4/8/14 4/8/14 4/8/14		Sample Time 1640 1640 1725 1705 1750			
Sample Type G G G G G		Matrix Water Water Water Water			

Login Sample Receipt Checklist

Client: CH2M Hill Constructors, Inc.

Job Number: 600-90241-1

Login Number: 90241

List Source: TestAmerica Houston

List Number: 1

Creator: Lockett, DuJuan D

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	5.9
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	Check done at department level as required.

ANALYTICAL REPORT

Job Number: 600-93474-1

Job Description: Dowell - Artesia Groundwater

For:
CH2M Hill, Inc.
4041 Jefferson Plaza NE
Suite 200
Albuquerque, NM 87109
Attention: Luke Hill



Approved for release.
Cathy L. Upton
Project Management Assistant II
6/23/2014 6:07 PM

Cathy L. Upton, Project Management Assistant II
6310 Rothway Street, Houston, TX, 77040
(713)690-4444
cathy.upton@testamericainc.com
06/23/2014

cc: Mr. Rick Dobbins
Jeffrey Minchak
Mr. John Ynfante

The test results in this report meet all NELAP requirements unless specified within the case narrative. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Project Manager.

TestAmerica Houston Certifications and Approvals: TX NELAP T104704223-09A-TX, ARDEQ 88-0759, LADEQ 01967, OKDEQ 9503, UT DOH GULF

TestAmerica Laboratories, Inc.

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Table of Contents

Cover Title Page	1
Data Summaries	5
Report Narrative	5
Sample Summary	6
Executive Summary	7
Method Summary	8
Method / Analyst Summary	9
Sample Datasheets	10
QC Data Summary	16
Data Qualifiers	23
QC Association Summary	24
Lab Chronicle	26
Reagent Traceability	28
Certification Summary	32
Organic Sample Data	33
HPLC/IC	33
300_ORGFM_28D	33
300_ORGFM_28D QC Summary	34
300_ORGFM_28D Sample Data	38
Standards Data	40
300_ORGFM_28D ICAL Data	40
300_ORGFM_28D CCAL Data	43
Raw QC Data	53
300_ORGFM_28D Blank Data	53
300_ORGFM_28D LCS/LCSD Data	59
300_ORGFM_28D MS/MSD Data	60

Table of Contents

300_ORGFM_28D Run Logs	62
Inorganic Sample Data	65
Metals Data	65
Met Cover Page	66
Met Sample Data	67
Met QC Data	69
Met ICV/CCV	69
Met Blanks	71
Met ICSA/ICSAB	74
Met MS/MSD/PDS	76
Met Dup/Trip	79
Met LCS/LCSD	80
Met Serial Dilution	81
Met MDL	82
Met IECF	84
Met Linear Ranges	87
Met Preparation Log	88
Met Analysis Run Log	89
Met Prep Data	91
General Chemistry Data	93
Gen Chem Cover Page	94
Gen Chem Sample Data	95
Gen Chem QC Data	97
Gen Chem ICV/CCV	97
Gen Chem Blanks	98
Gen Chem MS/MSD/PDS	99

Table of Contents

Gen Chem LCS/LCSD	101
Gen Chem MDL	102
Gen Chem Analysis Run Log	104
Gen Chem Prep Data	105
Shipping and Receiving Documents	106
Client Chain of Custody	107
Sample Receipt Checklist	109

CASE NARRATIVE

Client: CH2M Hill, Inc.

Project: Dowell - Artesia Groundwater

Report Number: 600-93474-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes or interferences which exceed the calibration range of the instrument.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

Note: All samples that require thermal preservation are considered acceptable if the arrival temperature is within 2°C of the required temperature or method specified range. For samples with a specified temperature of 4°C, samples with a temperature ranging from just above freezing temperature of water to 6°C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

The samples were received on 06/07/2014; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 1.2 C.

ANIONS

Samples ARTESIA-CONF-MW25-060514 (600-93474-1) and ARTESIA-CONF-MW28-060514 (600-93474-2) were analyzed for Anions in accordance with EPA Method 300.0. The samples were analyzed on 06/16/2014 and 06/17/2014.

Due to the high concentration of Sulfate, the MS/MSD of sample ARTESIA-CONF-MW25-060514 (600-93474-1) in batch 600-137010 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

Refer to the QC report for details.

Samples ARTESIA-CONF-MW25-060514 (600-93474-1)[100X] and ARTESIA-CONF-MW28-060514 (600-93474-2)[100X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the Anions analysis.

All other quality control parameters were within the acceptance limits.

DISSOLVED METALS (ICP)

Samples ARTESIA-CONF-MW25-060514 (600-93474-1) and ARTESIA-CONF-MW28-060514 (600-93474-2) were analyzed for dissolved metals (ICP) in accordance with EPA SW-846 Method 6010B. The samples were prepared on 06/18/2014 and analyzed on 06/23/2014.

No difficulties were encountered during the metals analysis.

All other quality control parameters were within the acceptance limits.

SULFIDE

Samples ARTESIA-CONF-MW25-060514 (600-93474-1) and ARTESIA-CONF-MW28-060514 (600-93474-2) were analyzed for sulfide in accordance with SM 4500 S2 D. The samples were analyzed on 06/09/2014.

No difficulties were encountered during the sulfide analysis.

All quality control parameters were within the acceptance limits.

SAMPLE SUMMARY

Client: CH2M Hill, Inc.

Job Number: 600-93474-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
600-93474-1	ARTESIA-CONF-MW25-060514	Water	06/05/2014 1312	06/07/2014 1152
600-93474-2	ARTESIA-CONF-MW28-060514	Water	06/05/2014 1222	06/07/2014 1152

EXECUTIVE SUMMARY - Detections

Client: CH2M Hill, Inc.

Job Number: 600-93474-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
600-93474-1 Sulfate	ARTESIA-CONF-MW25-060514	2140		50.0	mg/L	300.0
<i>Dissolved</i> Manganese, Dissolved		0.000894	J	0.0100	mg/L	6010B
600-93474-2 Sulfate	ARTESIA-CONF-MW28-060514	2340		50.0	mg/L	300.0
<i>Dissolved</i> Manganese, Dissolved		0.00314	J	0.0100	mg/L	6010B

METHOD SUMMARY

Client: CH2M Hill, Inc.

Job Number: 600-93474-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Anions, Ion Chromatography	TAL HOU	MCAWW 300.0	
Metals (ICP)	TAL HOU	SW846 6010B	
Preparation, Total Metals	TAL HOU		SW846 3010A
Sample Filtration	TAL HOU		FILTRATION
Sulfide, Total	TAL HOU	SM SM 4500 S2 D	

Lab References:

TAL HOU = TestAmerica Houston

Method References:

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: CH2M Hill, Inc.

Job Number: 600-93474-1

Method	Analyst	Analyst ID
SW846 6010B	Richter, Travis W	TWR
SM SM 4500 S2 D	Daniel, Kevin R	KRD
MCAWW 300.0	Watson, Don A	DAW

Analytical Data

Client: CH2M Hill, Inc.

Job Number: 600-93474-1

Client Sample ID: ARTESIA-CONF-MW25-060514

Lab Sample ID: 600-93474-1

Date Sampled: 06/05/2014 1312

Client Matrix: Water

Date Received: 06/07/2014 1152

300.0 Anions, Ion Chromatography

Analysis Method:	300.0	Analysis Batch:	600-137010	Instrument ID:	CHWC16
	N/A	Prep Batch:	N/A	Lab File ID:	061614a-36.d
Dilution:	100			Initial Weight/Volume:	5 mL
Analysis Date:	06/16/2014 2033			Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL

Analyte	Result (mg/L)	Qualifier	MDL	RL
Sulfate	2140		9.57	50.0

Analytical Data

Client: CH2M Hill, Inc.

Job Number: 600-93474-1

Client Sample ID: ARTESIA-CONF-MW28-060514

Lab Sample ID: 600-93474-2

Date Sampled: 06/05/2014 1222

Client Matrix: Water

Date Received: 06/07/2014 1152

300.0 Anions, Ion Chromatography

Analysis Method:	300.0	Analysis Batch:	600-137010	Instrument ID:	CHWC16
	N/A	Prep Batch:	N/A	Lab File ID:	061614a-52.d
Dilution:	100			Initial Weight/Volume:	5 mL
Analysis Date:	06/17/2014 0041			Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL

Analyte	Result (mg/L)	Qualifier	MDL	RL
Sulfate	2340		9.57	50.0

Analytical Data

Client: CH2M Hill, Inc.

Job Number: 600-93474-1

Client Sample ID: ARTESIA-CONF-MW25-060514

Lab Sample ID: 600-93474-1

Date Sampled: 06/05/2014 1312

Client Matrix: Water

Date Received: 06/07/2014 1152

6010B Metals (ICP)-Dissolved

Analysis Method: 6010B

Analysis Batch: 600-137525

Instrument ID: SPECTRO1

Prep Method: 3010A

Prep Batch: 600-137206

Lab File ID: S062314.asc

Dilution: 1.0

Initial Weight/Volume: 50 mL

Analysis Date: 06/23/2014 1115

Final Weight/Volume: 50 mL

Prep Date: 06/18/2014 1145

Analyte	Result (mg/L)	Qualifier	MDL	RL
Iron, Dissolved	0.0866	U	0.0866	0.400
Manganese, Dissolved	0.000894	J	0.000840	0.0100

Analytical Data

Client: CH2M Hill, Inc.

Job Number: 600-93474-1

Client Sample ID: ARTESIA-CONF-MW28-060514

Lab Sample ID: 600-93474-2

Date Sampled: 06/05/2014 1222

Client Matrix: Water

Date Received: 06/07/2014 1152

6010B Metals (ICP)-Dissolved

Analysis Method: 6010B

Analysis Batch: 600-137525

Instrument ID: SPECTRO1

Prep Method: 3010A

Prep Batch: 600-137206

Lab File ID: S062314.asc

Dilution: 1.0

Initial Weight/Volume: 50 mL

Analysis Date: 06/23/2014 1124

Final Weight/Volume: 50 mL

Prep Date: 06/18/2014 1145

Analyte	Result (mg/L)	Qualifier	MDL	RL
Iron, Dissolved	0.0866	U	0.0866	0.400
Manganese, Dissolved	0.00314	J	0.000840	0.0100

Analytical Data

Client: CH2M Hill, Inc.

Job Number: 600-93474-1

General Chemistry**Client Sample ID:** ARTESIA-CONF-MW25-060514

Lab Sample ID: 600-93474-1

Date Sampled: 06/05/2014 1312

Client Matrix: Water

Date Received: 06/07/2014 1152

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Sulfide	0.00900	U	mg/L	0.00900	0.0100	1.0	SM 4500 S2 D

Analysis Batch: 600-136506 Analysis Date: 06/09/2014 1800

Analytical Data

Client: CH2M Hill, Inc.

Job Number: 600-93474-1

General Chemistry

Client Sample ID: ARTESIA-CONF-MW28-060514

Lab Sample ID: 600-93474-2

Date Sampled: 06/05/2014 1222

Client Matrix: Water

Date Received: 06/07/2014 1152

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Sulfide	0.00900	U	mg/L	0.00900	0.0100	1.0	SM 4500 S2 D

Analysis Batch: 600-136506 Analysis Date: 06/09/2014 1800

Quality Control Results

Client: CH2M Hill, Inc.

Job Number: 600-93474-1

Method Blank - Batch: 600-137010

Method: 300.0
Preparation: N/A

Lab Sample ID:	MB 600-137010/4	Analysis Batch:	600-137010	Instrument ID:	CHWC16
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	061614a-12.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	06/16/2014 1420	Units:	mg/L	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Sulfate	0.0957	U	0.0957	0.500

Lab Control Sample - Batch: 600-137010

Method: 300.0
Preparation: N/A

Lab Sample ID:	LCS 600-137010/5	Analysis Batch:	600-137010	Instrument ID:	CHWC16
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	061614a-13.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	06/16/2014 1436	Units:	mg/L	Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Sulfate	20.0	20.15	101	90 - 110	

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 600-137010

Method: 300.0
Preparation: N/A

MS Lab Sample ID:	600-93474-1	Analysis Batch:	600-137010	Instrument ID:	CHWC16
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	061614a-15.d
Dilution:	50	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	06/16/2014 1507			Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	600-93474-1	Analysis Batch:	600-137010	Instrument ID:	CHWC16
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	061614a-16.d
Dilution:	50	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	06/16/2014 1522			Final Weight/Volume:	
Prep Date:	N/A			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Sulfate	58	60	80 - 120	0	20	E 4	E 4

Quality Control Results

Client: CH2M Hill, Inc.

Job Number: 600-93474-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 600-137010**

**Method: 300.0
Preparation: N/A**

MS Lab Sample ID: 600-93474-1 Units: mg/L
Client Matrix: Water
Dilution: 50
Analysis Date: 06/16/2014 1507
Prep Date: N/A
Leach Date: N/A

MSD Lab Sample ID: 600-93474-1
Client Matrix: Water
Dilution: 50
Analysis Date: 06/16/2014 1522
Prep Date: N/A
Leach Date: N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Sulfate	2260	500	500	2553 E 4	2565 E 4

Quality Control Results

Client: CH2M Hill, Inc.

Job Number: 600-93474-1

Method Blank - Batch: 600-137206

Lab Sample ID: MB 600-137190/1-B
Client Matrix: Water
Dilution: 1.0
Analysis Date: 06/23/2014 1111
Prep Date: 06/18/2014 1145
Leach Date: N/A

Analysis Batch: 600-137525
Prep Batch: 600-137206
Leach Batch: N/A
Units: mg/L

Method: 6010B Preparation: 3010A Dissolved

Instrument ID: SPECTRO1
Lab File ID: S062314.asc
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Iron, Dissolved	0.0866	U	0.0866	0.400
Iron, Dissolved	0.0866	U	0.0866	0.400
Manganese, Dissolved	0.000840	U	0.000840	0.0100

Lab Control Sample - Batch: 600-137206

Lab Sample ID: LCS 600-137190/2-B
Client Matrix: Water
Dilution: 1.0
Analysis Date: 06/23/2014 1113
Prep Date: 06/18/2014 1145
Leach Date: N/A

Analysis Batch: 600-137525
Prep Batch: 600-137206
Leach Batch: N/A
Units: mg/L

Method: 6010B Preparation: 3010A Dissolved

Instrument ID: SPECTRO1
Lab File ID: S062314.asc
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Iron, Dissolved	10.0	10.18	102	80 - 120	
Iron, Dissolved	10.0	11.75	118	80 - 120	
Manganese, Dissolved	1.00	1.056	106	80 - 120	

Post Digestion Spike - Batch: 600-137206

Lab Sample ID: 600-93474-1
Client Matrix: Water
Dilution: 1.0
Analysis Date: 06/23/2014 1232
Prep Date: 06/18/2014 1145
Leach Date: N/A

Analysis Batch: 600-137525
Prep Batch: 600-137206
Leach Batch: N/A
Units: mg/L

Method: 6010B Preparation: 3010A Dissolved

Instrument ID: SPECTRO1
Lab File ID: S062314.asc
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Iron, Dissolved	0.0866 U	10.0	9.183	92	75 - 125	
Iron, Dissolved	0.0866 U	10.0	10.57	106	75 - 125	
Manganese, Dissolved	0.000894 J	1.00	0.9716	97	75 - 125	

Quality Control Results

Client: CH2M Hill, Inc.

Job Number: 600-93474-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 600-137206**

**Method: 6010B
Preparation: 3010A
Dissolved**

MS Lab Sample ID:	600-93474-1	Analysis Batch:	600-137525	Instrument ID:	SPECTRO1
Client Matrix:	Water	Prep Batch:	600-137206	Lab File ID:	S062314.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	06/23/2014 1120			Final Weight/Volume:	50 mL
Prep Date:	06/18/2014 1145				
Leach Date:	N/A				

MSD Lab Sample ID:	600-93474-1	Analysis Batch:	600-137525	Instrument ID:	SPECTRO1
Client Matrix:	Water	Prep Batch:	600-137206	Lab File ID:	S062314.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	06/23/2014 1122			Final Weight/Volume:	50 mL
Prep Date:	06/18/2014 1145				
Leach Date:	N/A				

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Iron, Dissolved	112	113	75 - 125	1	20		
Iron, Dissolved	112	98	75 - 125	1	20		
Iron, Dissolved	97	113	75 - 125	1	20		
Iron, Dissolved	97	98	75 - 125	1	20		
Manganese, Dissolved	103	104	75 - 125	1	20		

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 600-137206**

**Method: 6010B
Preparation: 3010A
Dissolved**

MS Lab Sample ID:	600-93474-1	Units:	mg/L	MSD Lab Sample ID:	600-93474-1
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	06/23/2014 1120			Analysis Date:	06/23/2014 1122
Prep Date:	06/18/2014 1145			Prep Date:	06/18/2014 1145
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample		MS Spike	MSD Spike	MS	MSD
	Result/Qual				Result/Qual	Result/Qual
Iron, Dissolved	0.0866	U	10.0	10.0	11.21	11.33
Iron, Dissolved	0.0866	U	10.0	10.0	11.21	9.822
Iron, Dissolved	0.0866	U	10.0	10.0	9.727	11.33
Iron, Dissolved	0.0866	U	10.0	10.0	9.727	9.822
Manganese, Dissolved	0.000894	J	1.00	1.00	1.028	1.037

Quality Control Results

Client: CH2M Hill, Inc.

Job Number: 600-93474-1

Duplicate - Batch: 600-137206

Method: 6010B
Preparation: 3010A
Dissolved

Lab Sample ID:	600-93474-1	Analysis Batch:	600-137525	Instrument ID:	SPECTRO1
Client Matrix:	Water	Prep Batch:	600-137206	Lab File ID:	S062314.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	06/23/2014 1118	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	06/18/2014 1145				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Iron, Dissolved	0.0866	U	0.0866	NC	20	U
Iron, Dissolved	0.0866	U	0.0866	NC	20	U
Manganese, Dissolved	0.000894	J	0.001175	27	20	J

Serial Dilution - Batch: 600-137206

Method: 6010B
Preparation: 3010A
Dissolved

Lab Sample ID:	600-93474-1	Analysis Batch:	600-137525	Instrument ID:	SPECTRO1
Client Matrix:	Water	Prep Batch:	600-137206	Lab File ID:	S062314.asc
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	06/23/2014 1239	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	06/18/2014 1145				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	%Diff	Limit	Qual
Iron, Dissolved	0.0866	U	0.433	NC	10	U
Iron, Dissolved	0.0866	U	0.433	NC	10	U
Manganese, Dissolved	0.000894	J	0.008020	NC	10	J

Quality Control Results

Client: CH2M Hill, Inc.

Job Number: 600-93474-1

Method Blank - Batch: 600-136506

Method: SM 4500 S2 D

Preparation: N/A

Lab Sample ID:	MB 600-136506/3	Analysis Batch:	600-136506	Instrument ID:	WC10
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	7.5 mL
Analysis Date:	06/09/2014 1800	Units:	mg/L	Final Weight/Volume:	7.5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Sulfide	0.00900	U	0.00900	0.0100

Lab Control Sample - Batch: 600-136506

Method: SM 4500 S2 D

Preparation: N/A

Lab Sample ID:	LCS 600-136506/4	Analysis Batch:	600-136506	Instrument ID:	WC10
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	7.5 mL
Analysis Date:	06/09/2014 1800	Units:	mg/L	Final Weight/Volume:	7.5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Sulfide	0.300	0.3060	102	90 - 110	

Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 600-136506

Method: SM 4500 S2 D

Preparation: N/A

MS Lab Sample ID:	600-93450-D-1 MS	Analysis Batch:	600-136506	Instrument ID:	WC10
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	7.5 mL
Analysis Date:	06/09/2014 1800			Final Weight/Volume:	7.5 mL
Prep Date:	N/A				
Leach Date:	N/A				

MSD Lab Sample ID:	600-93450-D-1 MSD	Analysis Batch:	600-136506	Instrument ID:	WC10
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	7.5 mL
Analysis Date:	06/09/2014 1800			Final Weight/Volume:	7.5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Sulfide	116	115	75 - 125	1	20		

Quality Control Results

Client: CH2M Hill, Inc.

Job Number: 600-93474-1

Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 600-136506

Method: SM 4500 S2 D

Preparation: N/A

MS Lab Sample ID: 600-93450-D-1 MS Units: mg/L
Client Matrix: Water
Dilution: 1.0
Analysis Date: 06/09/2014 1800
Prep Date: N/A
Leach Date: N/A

MSD Lab Sample ID: 600-93450-D-1 MSD
Client Matrix: Water
Dilution: 1.0
Analysis Date: 06/09/2014 1800
Prep Date: N/A
Leach Date: N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Sulfide	0.00900 U	0.300	0.300	0.3480	0.3450

DATA REPORTING QUALIFIERS

Client: CH2M Hill, Inc.

Job Number: 600-93474-1

Lab Section	Qualifier	Description
HPLC/IC	U	Indicates the analyte was analyzed for but not detected.
	4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
	E	Result exceeded calibration range.
Metals	U	Indicates the analyte was analyzed for but not detected.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
General Chemistry	U	Indicates the analyte was analyzed for but not detected.

Quality Control Results

Client: CH2M Hill, Inc.

Job Number: 600-93474-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 600-137206					
LCS 600-137190/2-B	Lab Control Sample	D	Water	3010A	
MB 600-137190/1-B	Method Blank	D	Water	3010A	
600-93474-1	ARTESIA-CONF-MW25-060514	D	Water	3010A	
600-93474-1DU	Duplicate	D	Water	3010A	
600-93474-1MS	Matrix Spike	D	Water	3010A	
600-93474-1MSD	Matrix Spike Duplicate	D	Water	3010A	
600-93474-2	ARTESIA-CONF-MW28-060514	D	Water	3010A	

Analysis Batch:600-137525

LCS 600-137190/2-B	Lab Control Sample	D	Water	6010B	600-137206
MB 600-137190/1-B	Method Blank	D	Water	6010B	600-137206
600-93474-1	ARTESIA-CONF-MW25-060514	D	Water	6010B	600-137206
600-93474-1DU	Duplicate	D	Water	6010B	600-137206
600-93474-1MS	Matrix Spike	D	Water	6010B	600-137206
600-93474-1MSD	Matrix Spike Duplicate	D	Water	6010B	600-137206
600-93474-2	ARTESIA-CONF-MW28-060514	D	Water	6010B	600-137206

Report Basis

D = Dissolved

General Chemistry

Analysis Batch:600-136506

LCS 600-136506/4	Lab Control Sample	T	Water	SM 4500 S2 D	
MB 600-136506/3	Method Blank	T	Water	SM 4500 S2 D	
600-93450-D-1 MS	Matrix Spike	T	Water	SM 4500 S2 D	
600-93450-D-1 MSD	Matrix Spike Duplicate	T	Water	SM 4500 S2 D	
600-93474-1	ARTESIA-CONF-MW25-060514	T	Water	SM 4500 S2 D	
600-93474-2	ARTESIA-CONF-MW28-060514	T	Water	SM 4500 S2 D	

Report Basis

T = Total

Quality Control Results

Client: CH2M Hill, Inc.

Job Number: 600-93474-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
HPLC/IC					
Analysis Batch:600-137010					
LCS 600-137010/5	Lab Control Sample	T	Water	300.0	
MB 600-137010/4	Method Blank	T	Water	300.0	
600-93474-1	ARTESIA-CONF-MW25-060514	T	Water	300.0	
600-93474-1MS	Matrix Spike	T	Water	300.0	
600-93474-1MSD	Matrix Spike Duplicate	T	Water	300.0	
600-93474-2	ARTESIA-CONF-MW28-060514	T	Water	300.0	

Report Basis

T = Total

Quality Control Results

Client: CH2M Hill, Inc.

Job Number: 600-93474-1

Laboratory Chronicle

Lab ID: 600-93474-1

Client ID: ARTESIA-CONF-MW25-060514

Sample Date/Time: 06/05/2014 13:12

Received Date/Time: 06/07/2014 11:52

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:300.0	600-93474-B-1		600-137010		06/16/2014 20:33	100	TAL HOU	DAW
P:3010A	600-93474-B-1-B		600-137525	600-137206	06/18/2014 11:45	1	TAL HOU	NER
A:6010B	600-93474-B-1-B		600-137525	600-137206	06/23/2014 11:15	1	TAL HOU	TWR
A:SM 4500 S2 D	600-93474-A-1		600-136506		06/09/2014 18:00	1	TAL HOU	KRD

Lab ID: 600-93474-1 MS

Client ID: ARTESIA-CONF-MW25-060514

Sample Date/Time: 06/05/2014 13:12

Received Date/Time: 06/07/2014 11:52

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:300.0	600-93474-B-1 MS		600-137010		06/16/2014 15:07	50	TAL HOU	DAW
P:3010A	600-93474-B-1-D MS		600-137525	600-137206	06/18/2014 11:45	1	TAL HOU	NER
A:6010B	600-93474-B-1-D MS		600-137525	600-137206	06/23/2014 11:20	1	TAL HOU	TWR

Lab ID: 600-93474-1 MSD

Client ID: ARTESIA-CONF-MW25-060514

Sample Date/Time: 06/05/2014 13:12

Received Date/Time: 06/07/2014 11:52

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:300.0	600-93474-B-1 MSD		600-137010		06/16/2014 15:22	50	TAL HOU	DAW
P:3010A	600-93474-B-1-E MSD		600-137525	600-137206	06/18/2014 11:45	1	TAL HOU	NER
A:6010B	600-93474-B-1-E MSD		600-137525	600-137206	06/23/2014 11:22	1	TAL HOU	TWR

Lab ID: 600-93474-1 DU

Client ID: ARTESIA-CONF-MW25-060514

Sample Date/Time: 06/05/2014 13:12

Received Date/Time: 06/07/2014 11:52

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	600-93474-B-1-C DU		600-137525	600-137206	06/18/2014 11:45	1	TAL HOU	NER
A:6010B	600-93474-B-1-C DU		600-137525	600-137206	06/23/2014 11:18	1	TAL HOU	TWR

Lab ID: 600-93474-1 PDS

Client ID: ARTESIA-CONF-MW25-060514

Sample Date/Time: 06/05/2014 13:12

Received Date/Time: 06/07/2014 11:52

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	600-93474-B-1-B PDS		600-137525	600-137206	06/18/2014 11:45	1	TAL HOU	NER
A:6010B	600-93474-B-1-B PDS		600-137525	600-137206	06/23/2014 12:32	1	TAL HOU	TWR
P:3010A	600-93474-B-1-B SD ^5		600-137525	600-137206	06/18/2014 11:45	5	TAL HOU	NER
A:6010B	600-93474-B-1-B SD ^5		600-137525	600-137206	06/23/2014 12:39	5	TAL HOU	TWR

Quality Control Results

Client: CH2M Hill, Inc.

Job Number: 600-93474-1

Laboratory Chronicle

Lab ID: 600-93474-2

Client ID: ARTESIA-CONF-MW28-060514

Sample Date/Time: 06/05/2014 12:22

Received Date/Time: 06/07/2014 11:52

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:300.0	600-93474-B-2		600-137010		06/17/2014 00:41	100	TAL HOU	DAW
P:3010A	600-93474-B-2-B		600-137525	600-137206	06/18/2014 11:45	1	TAL HOU	NER
A:6010B	600-93474-B-2-B		600-137525	600-137206	06/23/2014 11:24	1	TAL HOU	TWR
A:SM 4500 S2 D	600-93474-A-2		600-136506		06/09/2014 18:00	1	TAL HOU	KRD

Lab ID: MB

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:300.0	MB 600-137010/4		600-137010		06/16/2014 14:20	1	TAL HOU	DAW
P:3010A	MB 600-137190/1-B		600-137525	600-137206	06/18/2014 11:45	1	TAL HOU	NER
A:6010B	MB 600-137190/1-B		600-137525	600-137206	06/23/2014 11:11	1	TAL HOU	TWR
A:SM 4500 S2 D	MB 600-136506/3		600-136506		06/09/2014 18:00	1	TAL HOU	KRD

Lab ID: LCS

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:300.0	LCS 600-137010/5		600-137010		06/16/2014 14:36	1	TAL HOU	DAW
P:3010A	LCS 600-137190/2-B		600-137525	600-137206	06/18/2014 11:45	1	TAL HOU	NER
A:6010B	LCS 600-137190/2-B		600-137525	600-137206	06/23/2014 11:13	1	TAL HOU	TWR
A:SM 4500 S2 D	LCS 600-136506/4		600-136506		06/09/2014 18:00	1	TAL HOU	KRD

Lab ID: MS

Client ID: N/A

Sample Date/Time: 06/05/2014 12:00

Received Date/Time: 06/06/2014 13:48

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:SM 4500 S2 D	600-93450-D-1 MS		600-136506		06/09/2014 18:00	1	TAL HOU	KRD

Lab ID: MSD

Client ID: N/A

Sample Date/Time: 06/05/2014 12:00

Received Date/Time: 06/06/2014 13:48

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:SM 4500 S2 D	600-93450-D-1 MSD		600-136506		06/09/2014 18:00	1	TAL HOU	KRD

Lab References:

TAL HOU = TestAmerica Houston

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-93474-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
CCV_00031	12/09/14	06/09/14	DI WATER, Lot NONE	1000 mL	WETSICCS04_00012	20 mL	Sulfate	20 mg/L
.WETSICCS04_00012	02/01/15	INORGANIC-VENTURE, Lot E2-SOX01095			(Purchased Reagent)		Sulfate	1000 mg/L
ICCALSTD2_00030	02/01/15	05/19/14	DI WATER, Lot NONE	100 mL	WETSICCBRO_00009	0.02 mL	Bromide	0.2 mg/L
					WETSICCCCL_00020	0.04 mL	Chloride	0.4 mg/L
					WETSICCCFL_00009	0.02 mL	Fluoride	0.2 mg/L
					WETSICCS04_00012	0.04 mL	Sulfate	0.4 mg/L
.WETSICCBRO_00009	02/01/15	INORGANIC VENTURES, Lot G2-BRO1096			(Purchased Reagent)		Bromide	1000 mg/L
.WETSICCCCL_00020	02/01/15	INORGANIC-VENTURE, Lot G2-CL01104			(Purchased Reagent)		Chloride	1000 mg/L
.WETSICCCFL_00009	02/01/15	INORGANIC VENTURES, Lot G2-F01065			(Purchased Reagent)		Fluoride	1000 mg/L
.WETSICCS04_00012	02/01/15	INORGANIC-VENTURE, Lot E2-SOX01095			(Purchased Reagent)		Sulfate	1000 mg/L
ICCALSTD3_00022	02/01/15	05/19/14	DI WATER, Lot NONE	100 mL	WETSICCBRO_00009	0.05 mL	Bromide	0.5 mg/L
					WETSICCCCL_00020	0.1 mL	Chloride	1 mg/L
					WETSICCCFL_00009	0.05 mL	Fluoride	0.5 mg/L
					WETSICCS04_00012	0.1 mL	Sulfate	1 mg/L
.WETSICCBRO_00009	02/01/15	INORGANIC VENTURES, Lot G2-BRO1096			(Purchased Reagent)		Bromide	1000 mg/L
.WETSICCCCL_00020	02/01/15	INORGANIC-VENTURE, Lot G2-CL01104			(Purchased Reagent)		Chloride	1000 mg/L
.WETSICCCFL_00009	02/01/15	INORGANIC VENTURES, Lot G2-F01065			(Purchased Reagent)		Fluoride	1000 mg/L
.WETSICCS04_00012	02/01/15	INORGANIC-VENTURE, Lot E2-SOX01095			(Purchased Reagent)		Sulfate	1000 mg/L
ICCALSTD5_00025	02/01/15	05/19/14	DI WATER, Lot NONE	100 mL	WETSICCBRO_00009	0.25 mL	Bromide	2.5 mg/L
					WETSICCCCL_00020	0.5 mL	Chloride	5 mg/L
					WETSICCCFL_00009	0.25 mL	Fluoride	2.5 mg/L
					WETSICCS04_00012	0.5 mL	Sulfate	5 mg/L
.WETSICCBRO_00009	02/01/15	INORGANIC VENTURES, Lot G2-BRO1096			(Purchased Reagent)		Bromide	1000 mg/L
.WETSICCCCL_00020	02/01/15	INORGANIC-VENTURE, Lot G2-CL01104			(Purchased Reagent)		Chloride	1000 mg/L
.WETSICCCFL_00009	02/01/15	INORGANIC VENTURES, Lot G2-F01065			(Purchased Reagent)		Fluoride	1000 mg/L
.WETSICCS04_00012	02/01/15	INORGANIC-VENTURE, Lot E2-SOX01095			(Purchased Reagent)		Sulfate	1000 mg/L
ICCALSTD6_00021	02/01/15	05/19/14	DI WATER, Lot NONE	100 mL	WETSICCBRO_00009	0.5 mL	Bromide	5 mg/L
					WETSICCCCL_00020	1 mL	Chloride	10 mg/L
					WETSICCCFL_00009	0.5 mL	Fluoride	5 mg/L
					WETSICCS04_00012	1 mL	Sulfate	10 mg/L
.WETSICCBRO_00009	02/01/15	INORGANIC VENTURES, Lot G2-BRO1096			(Purchased Reagent)		Bromide	1000 mg/L
.WETSICCCCL_00020	02/01/15	INORGANIC-VENTURE, Lot G2-CL01104			(Purchased Reagent)		Chloride	1000 mg/L
.WETSICCCFL_00009	02/01/15	INORGANIC VENTURES, Lot G2-F01065			(Purchased Reagent)		Fluoride	1000 mg/L
.WETSICCS04_00012	02/01/15	INORGANIC-VENTURE, Lot E2-SOX01095			(Purchased Reagent)		Sulfate	1000 mg/L
ICCALSTD7_00023	02/01/15	05/19/14	DI WATER, Lot NONE	100 mL	WETSICCBRO_00009	1 mL	Bromide	10 mg/L
					WETSICCCCL_00020	2 mL	Chloride	20 mg/L
					WETSICCCFL_00009	1 mL	Fluoride	10 mg/L
					WETSICCS04_00012	2 mL	Sulfate	20 mg/L
.WETSICCBRO_00009	02/01/15	INORGANIC VENTURES, Lot G2-BRO1096			(Purchased Reagent)		Bromide	1000 mg/L
.WETSICCCCL_00020	02/01/15	INORGANIC-VENTURE, Lot G2-CL01104			(Purchased Reagent)		Chloride	1000 mg/L
.WETSICCCFL_00009	02/01/15	INORGANIC VENTURES, Lot G2-F01065			(Purchased Reagent)		Fluoride	1000 mg/L
.WETSICCS04_00012	02/01/15	INORGANIC-VENTURE, Lot E2-SOX01095			(Purchased Reagent)		Sulfate	1000 mg/L
ICCALSTD8_00011	02/01/15	05/19/14	DI WATER, Lot NONE	100 mL	WETSICCBRO_00009	2 mL	Bromide	20 mg/L
					WETSICCCCL_00020	4 mL	Chloride	40 mg/L
					WETSICCCFL_00009	2 mL	Fluoride	20 mg/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-93474-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.WETSICBRO_00009	02/01/15		INORGANIC VENTURES, Lot G2-BR01096		WETSICCS04_00012	4 mL	Sulfate	40 mg/L
.WETSICBRO_00009	02/01/15		INORGANIC VENTURES, Lot G2-BR01096		(Purchased Reagent)		Bromide	1000 mg/L
.WETSICCL_00020	02/01/15		INORGANIC-VENTURE, Lot G2-CL01104		(Purchased Reagent)		Chloride	1000 mg/L
.WETSICCL_00009	02/01/15		INORGANIC VENTURES, Lot G2-F01065		(Purchased Reagent)		Fluoride	1000 mg/L
.WETSICCS04_00012	02/01/15		INORGANIC-VENTURE, Lot E2-SOX01095		(Purchased Reagent)		Sulfate	1000 mg/L
ICSMS_00037	10/31/14	06/05/14	DI WATER, Lot NONE	50 mL	WETSICIS04_00009	10 mL	Sulfate	200 mg/L
.WETSICIS04_00009	06/30/15		ACCUSTANDARD, Lot 213055190		(Purchased Reagent)		Sulfate	1000 mg/L
ICV/LCS_00036	10/31/14	06/09/14	DI WATER, Lot NONE	200 mL	WETSICIS04_00009	4 mL	Sulfate	20 mg/L
.WETSICIS04_00009	06/30/15		ACCUSTANDARD, Lot 213055190		(Purchased Reagent)		Sulfate	1000 mg/L
MET0614CCV_00001	08/01/14	06/05/14	DI WATER, Lot NA	500 mL	ICPCAL2A_00011	2.5 mL	Iron, Dissolved	2.5 mg/L
.ICPCAL2A_00011	08/01/14		INORG VENTURES, Lot G2-MEB482135		(Purchased Reagent)		Manganese, Dissolved	0.5 mg/L
					(Purchased Reagent)		Iron, Dissolved	500 ug/mL
					(Purchased Reagent)		Manganese, Dissolved	100 ug/mL
METCALA_00018	04/24/15		ENVIRONMENTAL EXPRESS, Lot 1411304		(Purchased Reagent)		Al	2000 ug/mL
					(Purchased Reagent)		As	200 ug/mL
					(Purchased Reagent)		B	200 ug/mL
					(Purchased Reagent)		Ba	200 ug/mL
					(Purchased Reagent)		Be	100 ug/mL
					(Purchased Reagent)		Ca	2000 ug/mL
					(Purchased Reagent)		Cd	100 ug/mL
					(Purchased Reagent)		Co	200 ug/mL
					(Purchased Reagent)		Cr	200 ug/mL
					(Purchased Reagent)		Cu	200 ug/mL
					(Purchased Reagent)		Iron, Dissolved	2000 ug/mL
					(Purchased Reagent)		K	2000 ug/mL
					(Purchased Reagent)		Li	200 ug/mL
					(Purchased Reagent)		Manganese, Dissolved	200 ug/mL
					(Purchased Reagent)		Mg	2000 ug/mL
					(Purchased Reagent)		Na	2000 ug/mL
					(Purchased Reagent)		Ni	200 ug/mL
					(Purchased Reagent)		Pb	200 ug/mL
					(Purchased Reagent)		Se	200 ug/mL
					(Purchased Reagent)		Sr	100 ug/mL
					(Purchased Reagent)		V	200 ug/mL
					(Purchased Reagent)		Zn	200 ug/mL
METCALB_00016	04/24/15		ENVIRONMENTAL EXPRESS, Lot 1411214		(Purchased Reagent)		Ag	100 ug/mL
					(Purchased Reagent)		Mo	200 ug/mL
					(Purchased Reagent)		Sb	200 ug/mL
					(Purchased Reagent)		Si	200 ug/mL
					(Purchased Reagent)		Sn	200 ug/mL
					(Purchased Reagent)		Ti	200 ug/mL
					(Purchased Reagent)		Tl	200 ug/mL
METHCL_00060	07/30/18		Macron, Lot 0000035982		(Purchased Reagent)		Stock Chemical	0 mL
METHNO3_00050	03/31/19		Macron, Lot L08022		(Purchased Reagent)		Stock Chemical	0 mL
METISA_00106	11/01/14	04/29/14	DI WATER, Lot NA	500 mL	METICSA_00021	50 mL	Al	500 mg/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-93474-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.METICSA_00021	11/01/14	INORG VENTURES, Lot G2-MEB491156		500 mL	(Purchased Reagent)		Ca	500 mg/L
							Iron, Dissolved	200 mg/L
							Mg	500 mg/L
							Al	5000 ug/mL
							Ca	5000 ug/mL
							Iron, Dissolved	2000 ug/mL
							Mg	5000 ug/mL
METISB_00104	11/01/14	04/17/14	DI WATER, Lot NA	500 mL	METCALA_00017	2.5 mL	Al	510 mg/L
							As	1 mg/L
							B	1 mg/L
							Ba	1 mg/L
							Be	0.5 mg/L
							Ca	510 mg/L
							Cd	0.5 mg/L
							Co	1 mg/L
							Cr	1 mg/L
							Cu	1 mg/L
							Iron, Dissolved	210 mg/L
							K	10 mg/L
							Li	1 mg/L
							Manganese, Dissolved	1 mg/L
							Mg	510 mg/L
							Na	10 mg/L
							Ni	1 mg/L
							Pb	1 mg/L
							Se	1 mg/L
							Sr	0.5 mg/L
							V	1 mg/L
							Zn	1 mg/L
					METCALB_00015	2.5 mL	Ag	0.5 mg/L
							Mo	1 mg/L
							Sb	1 mg/L
							Sn	1 mg/L
							Ti	1 mg/L
					METICSA_00021	50 mL	Tl	1 mg/L
							Al	510 mg/L
							Ca	510 mg/L
							Iron, Dissolved	210 mg/L
							Mg	510 mg/L
.METCALA_00017	02/10/15	ENVIRONMENTAL EXPRESS, Lot 1403037			(Purchased Reagent)		Al	2000 ug/mL
							As	200 ug/mL
							B	200 ug/mL
							Ba	200 ug/mL
							Be	100 ug/mL
							Ca	2000 ug/mL
							Cd	100 ug/mL
							Co	200 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-93474-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.METCALB_00015							Cr	200 ug/mL
							Cu	200 ug/mL
							Iron, Dissolved	2000 ug/mL
							K	2000 ug/mL
							Li	200 ug/mL
							Manganese, Dissolved	200 ug/mL
							Mg	2000 ug/mL
							Na	2000 ug/mL
							Ni	200 ug/mL
							Pb	200 ug/mL
							Se	200 ug/mL
							Sr	100 ug/mL
							V	200 ug/mL
.METICSA_00021	02/10/15	ENVIRONMENTAL EXPRESS, Lot 1403038			(Purchased Reagent)		Zn	200 ug/mL
							Ag	100 ug/mL
							Mo	200 ug/mL
							Sb	200 ug/mL
							Sn	200 ug/mL
							Ti	200 ug/mL
							Tl	200 ug/mL
WETSME/TBSU_00014	11/01/14	INORG VENTURES, Lot G2-MEB491156			(Purchased Reagent)		Al	5000 ug/mL
							Ca	5000 ug/mL
							Iron, Dissolved	2000 ug/mL
							Mg	5000 ug/mL
	08/31/15		RICCA, Lot 1309793		(Purchased Reagent)		Sulfide	15 mg/L

Certification Summary

Client: CH2M Hill
Site: b aGell 01 Tte, iA d Ta8n7GAt

ce, tl . eTrA nAJ sb : D660-94140P

Laboratory	Authority	Program	EPA Region	Certification ID
ce, tl . eTrA Ha8, tan	I TEAn, A, b Q3	wtAte j TakTA	D	55061g-
ce, tl . eTrA Ha8, tan	La8i, iAnA	NQLI j	D	96D49
ce, tl . eTrA Ha8, tan	OEHA. A	wtAte j TakTA	D	P96-
ce, tl . eTrA Ha8, tan	cexA,	NQLI j	D	cP64164229
ce, tl . eTrA Ha8, tan	Uwb I	Fe7eTA		j 99604066P- 2
ce, tl . eTrA Ha8, tan	UtAh	NQLI j	5	cX66659

I rr Te7itAtian . Ay nat Je affeTe7 aTTeq8iTe7 faTAll . etha7, An7 AnAlyte, Te7paTe7 in thi, pAr EAkeuj leA, e rantArt ya8TpTa/ert . AnAkeTfaTthe IAJaTaTaTy',
r8Ttent li, t af reTtifie7 . etha7, An7 AnAlyte, u

300_ORGFM_28D

Anions, Ion Chromatography

FORM III
HPLC/IC LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-93474-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: 061614a-13.d
Lab ID: LCS 600-137010/5 Client ID: _____

COMPOUND	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC	QC LIMITS REC	#
Sulfate	20.0	20.15	101	90-110	

Column to be used to flag recovery and RPD values

FORM III 300.0

FORM III
HPLC/IC MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-93474-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: 061614a-15.d
Lab ID: 600-93474-1 MS Client ID: ARTESIA-CONF-MW25-060514 MS

COMPOUND	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC	QC LIMITS REC	#
Sulfate	500	2260	2553	58	80-120	E 4

Column to be used to flag recovery and RPD values

FORM III 300.0

FORM III
HPLC/IC MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-93474-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: 061614a-16.d
 Lab ID: 600-93474-1 MSD Client ID: ARTESIA-CONF-MW25-060514 MSD

COMPOUND	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Sulfate	500	2565	60	0	20	80-120	E 4

Column to be used to flag recovery and RPD values

FORM IV
HPLC/IC METHOD BLANK SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-93474-1
 SDG No.: _____
 Lab File ID: 061614a-12.d Lab Sample ID: MB 600-137010/4
 Matrix: Water Date Extracted: _____
 Instrument ID: CHWC16 Date Analyzed: 06/16/2014 14:20
 Level: (Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	ICB 600-137010/3	061614a-11. d	06/16/2014 14:05
	LCS 600-137010/5	061614a-13. d	06/16/2014 14:36
ARTESIA-CONF-MW25-060514 MS	600-93474-1 MS	061614a-15. d	06/16/2014 15:07
ARTESIA-CONF-MW25-060514 MSD	600-93474-1 MSD	061614a-16. d	06/16/2014 15:22
	CCB 600-137010/15	061614a-23. d	06/16/2014 17:11
	CCB 600-137010/27	061614a-35. d	06/16/2014 20:17
ARTESIA-CONF-MW25-060514	600-93474-1	061614a-36. d	06/16/2014 20:33
	CCB 600-137010/39	061614a-47. d	06/16/2014 23:23
ARTESIA-CONF-MW28-060514	600-93474-2	061614a-52. d	06/17/2014 00:41
	CCB 600-137010/49	061614a-57. d	06/17/2014 01:58

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-93474-1
SDG No.: _____
Client Sample ID: ARTESIA-CONF-MW25-060514 Lab Sample ID: 600-93474-1
Matrix: Water Lab File ID: 061614a-36.d
Analysis Method: 300.0 Date Collected: 06/05/2014 13:12
Extraction Method: _____ Date Extracted: _____
Sample wt/vol: 5(mL) Date Analyzed: 06/16/2014 20:33
Con. Extract Vol.: _____ Dilution Factor: 100
Injection Volume: 1(uL) GC Column: _____ ID: _____
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 137010 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	2140		50.0	9.57

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-93474-1
SDG No.: _____
Client Sample ID: ARTESIA-CONF-MW28-060514 Lab Sample ID: 600-93474-2
Matrix: Water Lab File ID: 061614a-52.d
Analysis Method: 300.0 Date Collected: 06/05/2014 12:22
Extraction Method: _____ Date Extracted: _____
Sample wt/vol: 5(mL) Date Analyzed: 06/17/2014 00:41
Con. Extract Vol.: _____ Dilution Factor: 100
Injection Volume: 1(uL) GC Column: _____ ID: _____
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 137010 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	2340		50.0	9.57

FORM VI
HPLC/IC INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-93474-1 Analy Batch No.: 135080

SDG No.: _____

Instrument ID: CHWC16 GC Column: _____ ID: _____ Heated Purge: (Y/N) N

Calibration Start Date: 05/21/2014 18:19 Calibration End Date: 05/21/2014 19:52 Calibration ID: 3454

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 600-135080/3	CAL052114-3.d
Level 2	IC 600-135080/4	CAL052114-4.d
Level 3	IC 600-135080/5	CAL052114-5.d
Level 4	IC 600-135080/6	CAL052114-6.d
Level 5	IC 600-135080/7	CAL052114-7.d
Level 6	IC 600-135080/8	CAL052114-8.d

	ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6		RT WINDOW	AVG RT
Fluoride		2.908	2.908	2.908	2.917	2.925	2.933		2.675 - 3.175	2.917
Chloride		3.908	3.917	3.917	3.925	3.942	3.958		3.692 - 4.192	3.928
Bromide		5.683	5.700	5.700	5.700	5.700	5.700		5.475 - 5.975	5.697
Sulfate		9.842	9.833	9.825	9.817	9.808	9.792		9.550 - 10.050	9.820

FORM VI
HPLC/IC INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Houston Job No.: 600-93474-1 Analy Batch No.: 135080

SDG No.: _____

Instrument ID: CHWC16 GC Column: _____ ID: _____ Heated Purge: (Y/N) N

Calibration Start Date: 05/21/2014 18:19 Calibration End Date: 05/21/2014 19:52 Calibration ID: 3454

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 600-135080/3	CAL052114-3.d
Level 2	IC 600-135080/4	CAL052114-4.d
Level 3	IC 600-135080/5	CAL052114-5.d
Level 4	IC 600-135080/6	CAL052114-6.d
Level 5	IC 600-135080/7	CAL052114-7.d
Level 6	IC 600-135080/8	CAL052114-8.d

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	R^2 OR COD	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2						
Fluoride	12100265 12972099	11755862 13496879	11737988	11793133	Lin1	-601020.24	13085688.9						0.9970	0.9900
Chloride	10032845 9930943	8607340 10735427	8655526	8848377	Lin1	-1131274.3	10199024.4						0.9940	0.9900
Bromide	3838770 3771956	3413752 3738904	3841152	3447822	Lin1	-32630.284	3717539.99						0.9990	0.9900
Sulfate	5892555 6459655	5979993 6718083	5970642	6035732	Lin1	-567794.38	6542810.49						0.9980	0.9900

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
HPLC/IC INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Houston Job No.: 600-93474-1 Analy Batch No.: 135080

SDG No.: _____

Instrument ID: CHWC16 GC Column: _____ ID: _____ Heated Purge: (Y/N) N

Calibration Start Date: 05/21/2014 18:19 Calibration End Date: 05/21/2014 19:52 Calibration ID: 3454

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 600-135080/3	CAL052114-3.d
Level 2	IC 600-135080/4	CAL052114-4.d
Level 3	IC 600-135080/5	CAL052114-5.d
Level 4	IC 600-135080/6	CAL052114-6.d
Level 5	IC 600-135080/7	CAL052114-7.d
Level 6	IC 600-135080/8	CAL052114-8.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Fluoride	Lin1	2420053 269937584	5877931	29344970	58965666	129720989	0.200 20.0	0.500	2.50	5.00	10.0
Chloride	Lin1	4013138 429417072	8607340	43277630	88483773	198618863	0.400 40.0	1.00	5.00	10.0	20.0
Bromide	Lin1	767754 74778071	1706876	9602881	17239109	37719555	0.200 20.0	0.500	2.50	5.00	10.0
Sulfate	Lin1	2357022 268723302	5979993	29853208	60357321	129193109	0.400 40.0	1.00	5.00	10.0	20.0

Curve Type Legend:

Lin1 = Linear 1/conc

FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Houston Job No.: 600-93474-1
SDG No.: _____
Lab Sample ID: ICV 600-137010/2 Calibration Date: 06/16/2014 13:49
Instrument ID: CHWC16 Calib Start Date: 05/21/2014 18:19
GC Column: _____ ID: _____ Calib End Date: 05/21/2014 19:52
Lab File ID: 061614a-10.d Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Fluoride	Lin1		12131109		9.32	10.0	-6.8	10.0
Chloride	Lin1		9925673		19.6	20.0	-2.1	10.0
Bromide	Lin1		3640682		9.80	10.0	-2.0	10.0
Sulfate	Lin1		6462712		19.8	20.0	-0.8	10.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-93474-1
SDG No.: _____
Lab Sample ID: ICV 600-137010/2 Calibration Date: 06/16/2014 13:49
Instrument ID: CHWC16 Calib Start Date: 05/21/2014 18:19
GC Column: _____ ID: _____ Calib End Date: 05/21/2014 19:52
Lab File ID: 061614a-10.d

Analyte	RT	RT WINDOW	
		FROM	TO
Fluoride	2.92	2.67	3.17
Chloride	3.90	3.65	4.15
Bromide	5.59	5.34	5.84
Sulfate	9.72	9.47	9.97

FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Houston Job No.: 600-93474-1
SDG No.: _____
Lab Sample ID: CCV 600-137010/14 Calibration Date: 06/16/2014 16:55
Instrument ID: CHWC16 Calib Start Date: 05/21/2014 18:19
GC Column: _____ ID: _____ Calib End Date: 05/21/2014 19:52
Lab File ID: 061614a-22.d Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Fluoride	Lin1		12581801		9.66	10.0	-3.4	10.0
Chloride	Lin1		10093429		19.9	20.0	-0.5	10.0
Bromide	Lin1		3668603		9.88	10.0	-1.2	10.0
Sulfate	Lin1		6556201		20.1	20.0	0.6	10.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-93474-1
SDG No.: _____
Lab Sample ID: CCV 600-137010/14 Calibration Date: 06/16/2014 16:55
Instrument ID: CHWC16 Calib Start Date: 05/21/2014 18:19
GC Column: _____ ID: _____ Calib End Date: 05/21/2014 19:52
Lab File ID: 061614a-22.d

Analyte	RT	RT WINDOW	
		FROM	TO
Fluoride	2.92	2.67	3.17
Chloride	3.90	3.65	4.15
Bromide	5.59	5.34	5.84
Sulfate	9.73	9.47	9.97

FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Houston Job No.: 600-93474-1
SDG No.: _____
Lab Sample ID: CCV 600-137010/26 Calibration Date: 06/16/2014 20:02
Instrument ID: CHWC16 Calib Start Date: 05/21/2014 18:19
GC Column: _____ ID: _____ Calib End Date: 05/21/2014 19:52
Lab File ID: 061614a-34.d Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Fluoride	Lin1		12411342		9.53	10.0	-4.7	10.0
Chloride	Lin1		10058827		19.8	20.0	-0.8	10.0
Bromide	Lin1		3685445		9.92	10.0	-0.8	10.0
Sulfate	Lin1		6594518		20.2	20.0	1.2	10.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-93474-1
SDG No.: _____
Lab Sample ID: CCV 600-137010/26 Calibration Date: 06/16/2014 20:02
Instrument ID: CHWC16 Calib Start Date: 05/21/2014 18:19
GC Column: _____ ID: _____ Calib End Date: 05/21/2014 19:52
Lab File ID: 061614a-34.d

Analyte	RT	RT WINDOW	
		FROM	TO
Fluoride	2.92	2.67	3.17
Chloride	3.91	3.65	4.15
Bromide	5.62	5.34	5.84
Sulfate	9.73	9.47	9.97

FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Houston Job No.: 600-93474-1
SDG No.: _____
Lab Sample ID: CCV 600-137010/38 Calibration Date: 06/16/2014 23:08
Instrument ID: CHWC16 Calib Start Date: 05/21/2014 18:19
GC Column: _____ ID: _____ Calib End Date: 05/21/2014 19:52
Lab File ID: 061614a-46.d Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Fluoride	Lin1		12410796		9.53	10.0	-4.7	10.0
Chloride	Lin1		10056566		19.8	20.0	-0.8	10.0
Bromide	Lin1		3684072		9.92	10.0	-0.8	10.0
Sulfate	Lin1		6587365		20.2	20.0	1.1	10.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-93474-1
SDG No.: _____
Lab Sample ID: CCV 600-137010/38 Calibration Date: 06/16/2014 23:08
Instrument ID: CHWC16 Calib Start Date: 05/21/2014 18:19
GC Column: _____ ID: _____ Calib End Date: 05/21/2014 19:52
Lab File ID: 061614a-46.d

Analyte	RT	RT WINDOW	
		FROM	TO
Fluoride	2.91	2.67	3.17
Chloride	3.91	3.65	4.15
Bromide	5.63	5.34	5.84
Sulfate	9.71	9.47	9.97

FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Houston Job No.: 600-93474-1
SDG No.: _____
Lab Sample ID: CCV 600-137010/48 Calibration Date: 06/17/2014 01:43
Instrument ID: CHWC16 Calib Start Date: 05/21/2014 18:19
GC Column: _____ ID: _____ Calib End Date: 05/21/2014 19:52
Lab File ID: 061614a-56.d Conc. Units: mg/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Fluoride	Lin1		12418511		9.54	10.0	-4.6	10.0
Chloride	Lin1		10059552		19.8	20.0	-0.8	10.0
Bromide	Lin1		3681091		9.91	10.0	-0.9	10.0
Sulfate	Lin1		6599525		20.3	20.0	1.3	10.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-93474-1
SDG No.: _____
Lab Sample ID: CCV 600-137010/48 Calibration Date: 06/17/2014 01:43
Instrument ID: CHWC16 Calib Start Date: 05/21/2014 18:19
GC Column: _____ ID: _____ Calib End Date: 05/21/2014 19:52
Lab File ID: 061614a-56.d

Analyte	RT	RT WINDOW	
		FROM	TO
Fluoride	2.91	2.67	3.17
Chloride	3.90	3.65	4.15
Bromide	5.62	5.34	5.84
Sulfate	9.71	9.47	9.97

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-93474-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 600-137010/4
Matrix: Water Lab File ID: 061614a-12.d
Analysis Method: 300.0 Date Collected: _____
Extraction Method: _____ Date Extracted: _____
Sample wt/vol: 5(mL) Date Analyzed: 06/16/2014 14:20
Con. Extract Vol.: _____ Dilution Factor: 1
Injection Volume: 1(uL) GC Column: _____ ID: _____
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 137010 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	0.0957	U	0.500	0.0957

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-93474-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: CCB 600-137010/15
Matrix: Water Lab File ID: 061614a-23.d
Analysis Method: 300.0 Date Collected: _____
Extraction Method: _____ Date Extracted: _____
Sample wt/vol: 5(mL) Date Analyzed: 06/16/2014 17:11
Con. Extract Vol.: _____ Dilution Factor: 1
Injection Volume: 1(uL) GC Column: _____ ID: _____
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 137010 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	0.0957	U	0.500	0.0957

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-93474-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: CCB 600-137010/27
Matrix: Water Lab File ID: 061614a-35.d
Analysis Method: 300.0 Date Collected: _____
Extraction Method: _____ Date Extracted: _____
Sample wt/vol: 5(mL) Date Analyzed: 06/16/2014 20:17
Con. Extract Vol.: _____ Dilution Factor: 1
Injection Volume: 1(uL) GC Column: _____ ID: _____
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 137010 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	0.0957	U	0.500	0.0957

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-93474-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: CCB 600-137010/39
Matrix: Water Lab File ID: 061614a-47.d
Analysis Method: 300.0 Date Collected: _____
Extraction Method: _____ Date Extracted: _____
Sample wt/vol: 5(mL) Date Analyzed: 06/16/2014 23:23
Con. Extract Vol.: _____ Dilution Factor: 1
Injection Volume: 1(uL) GC Column: _____ ID: _____
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 137010 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	0.0957	U	0.500	0.0957

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-93474-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: CCB 600-137010/49
Matrix: Water Lab File ID: 061614a-57.d
Analysis Method: 300.0 Date Collected: _____
Extraction Method: _____ Date Extracted: _____
Sample wt/vol: 5(mL) Date Analyzed: 06/17/2014 01:58
Con. Extract Vol.: _____ Dilution Factor: 1
Injection Volume: 1(uL) GC Column: _____ ID: _____
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 137010 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	0.0957	U	0.500	0.0957

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-93474-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: ICB 600-137010/3
Matrix: Water Lab File ID: 061614a-11.d
Analysis Method: 300.0 Date Collected: _____
Extraction Method: _____ Date Extracted: _____
Sample wt/vol: 5(mL) Date Analyzed: 06/16/2014 14:05
Con. Extract Vol.: _____ Dilution Factor: 1
Injection Volume: 1(uL) GC Column: _____ ID: _____
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 137010 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	0.0957	U	0.500	0.0957

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-93474-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: LCS 600-137010/5
Matrix: Water Lab File ID: 061614a-13.d
Analysis Method: 300.0 Date Collected: _____
Extraction Method: _____ Date Extracted: _____
Sample wt/vol: 5(mL) Date Analyzed: 06/16/2014 14:36
Con. Extract Vol.: _____ Dilution Factor: 1
Injection Volume: 1(uL) GC Column: _____ ID: _____
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 137010 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	20.15		0.500	0.0957

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-93474-1
SDG No.: _____
Client Sample ID: ARTESIA-CONF-MW25-060514 Lab Sample ID: 600-93474-1 MS
Matrix: Water Lab File ID: 061614a-15.d
Analysis Method: 300.0 Date Collected: 06/05/2014 13:12
Extraction Method: _____ Date Extracted: _____
Sample wt/vol: 5 (mL) Date Analyzed: 06/16/2014 15:07
Con. Extract Vol.: _____ Dilution Factor: 50
Injection Volume: 1 (uL) GC Column: _____ ID: _____
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 137010 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	2553		25.0	4.78

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-93474-1
SDG No.: _____
Client Sample ID: ARTESIA-CONF-MW25-060514 Lab Sample ID: 600-93474-1 MSD
Matrix: Water Lab File ID: 061614a-16.d
Analysis Method: 300.0 Date Collected: 06/05/2014 13:12
Extraction Method: _____ Date Extracted: _____
Sample wt/vol: 5 (mL) Date Analyzed: 06/16/2014 15:22
Con. Extract Vol.: _____ Dilution Factor: 50
Injection Volume: 1 (uL) GC Column: _____ ID: _____
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 137010 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
14808-79-8	Sulfate	2565		25.0	4.78

HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica Houston Job No.: 600-93474-1

SDG No.: _____

Instrument ID: CHWC16 Start Date: 05/21/2014 18:03Analysis Batch Number: 135080 End Date: 05/21/2014 20:23

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
RINSE 600-135080/1		05/21/2014 18:03	1		
IC 600-135080/2		05/21/2014 18:19	1		
IC 600-135080/3		05/21/2014 18:34	1	CAL052114-3.d	
IC 600-135080/4		05/21/2014 18:50	1	CAL052114-4.d	
IC 600-135080/5		05/21/2014 19:05	1	CAL052114-5.d	
IC 600-135080/6		05/21/2014 19:21	1	CAL052114-6.d	
IC 600-135080/7		05/21/2014 19:36	1	CAL052114-7.d	
IC 600-135080/8		05/21/2014 19:52	1	CAL052114-8.d	
RINSE 600-135080/9		05/21/2014 20:07	1		
ICV 600-135080/10		05/21/2014 20:23	1		

HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica HoustonJob No.: 600-93474-1

SDG No.: _____

Instrument ID: CHWC16Start Date: 06/16/2014 13:34Analysis Batch Number: 137010End Date: 06/17/2014 01:58

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
RINSE 600-137010/1		06/16/2014 13:34	1		
ICV 600-137010/2		06/16/2014 13:49	1	061614a-10.d	
ICB 600-137010/3		06/16/2014 14:05	1	061614a-11.d	
MB 600-137010/4		06/16/2014 14:20	1	061614a-12.d	
LCS 600-137010/5		06/16/2014 14:36	1	061614a-13.d	
600-93474-1	ARTESIA-CONF-MW25-060 514	06/16/2014 14:51	50	061614a-14.d	
600-93474-1 MS	ARTESIA-CONF-MW25-060 514 MS	06/16/2014 15:07	50	061614a-15.d	
600-93474-1 MSD	ARTESIA-CONF-MW25-060 514 MSD	06/16/2014 15:22	50	061614a-16.d	
600-93474-2	ARTESIA-CONF-MW28-060 514	06/16/2014 15:38	50	061614a-17.d	
ZZZZZ		06/16/2014 15:53	1		
ZZZZZ		06/16/2014 16:09	20		
ZZZZZ		06/16/2014 16:24	1		
ZZZZZ		06/16/2014 16:40	20		
CCV 600-137010/14		06/16/2014 16:55	1	061614a-22.d	
CCB 600-137010/15		06/16/2014 17:11	1	061614a-23.d	
ZZZZZ		06/16/2014 17:26	1		
ZZZZZ		06/16/2014 17:42	20		
ZZZZZ		06/16/2014 17:57	1		
ZZZZZ		06/16/2014 18:13	20		
ZZZZZ		06/16/2014 18:28	1		
ZZZZZ		06/16/2014 18:44	20		
ZZZZZ		06/16/2014 18:59	1		
ZZZZZ		06/16/2014 19:15	20		
ZZZZZ		06/16/2014 19:30	1		
ZZZZZ		06/16/2014 19:46	20		
CCV 600-137010/26		06/16/2014 20:02	1	061614a-34.d	
CCB 600-137010/27		06/16/2014 20:17	1	061614a-35.d	
600-93474-1	ARTESIA-CONF-MW25-060 514	06/16/2014 20:33	100	061614a-36.d	
ZZZZZ		06/16/2014 20:48	1		
ZZZZZ		06/16/2014 21:03	20		
ZZZZZ		06/16/2014 21:19	1		
ZZZZZ		06/16/2014 21:35	20		
ZZZZZ		06/16/2014 21:50	20		
ZZZZZ		06/16/2014 22:06	20		
ZZZZZ		06/16/2014 22:21	1		
ZZZZZ		06/16/2014 22:37	20		
ZZZZZ		06/16/2014 22:52	5		
CCV 600-137010/38		06/16/2014 23:08	1	061614a-46.d	
CCB 600-137010/39		06/16/2014 23:23	1	061614a-47.d	
ZZZZZ		06/16/2014 23:39	5		
ZZZZZ		06/16/2014 23:54	5		
ZZZZZ		06/17/2014 00:10	5		
ZZZZZ		06/17/2014 00:25	5		

300.0

HPLC/IC ANALYSIS RUN LOG

Lab Name: TestAmerica Houston Job No.: 600-93474-1

SDG No.: _____

Instrument ID: CHWC16 Start Date: 06/16/2014 13:34Analysis Batch Number: 137010 End Date: 06/17/2014 01:58

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
600-93474-2	ARTESIA-CONF-MW28-060 514	06/17/2014 00:41	100	061614a-52.d	
ZZZZZ		06/17/2014 00:56	20		
ZZZZZ		06/17/2014 01:12	20		
ZZZZZ		06/17/2014 01:27	20		
CCV 600-137010/48		06/17/2014 01:43	1	061614a-56.d	
CCB 600-137010/49		06/17/2014 01:58	1	061614a-57.d	

METALS

COVER PAGE
METALS

Lab Name: TestAmerica Houston Job Number: 600-93474-1

SDG No.: _____

Project: Dowell - Artesia Groundwater

Client Sample ID

ARTESIA-CONF-MW25-060514

ARTESIA-CONF-MW28-060514

Lab Sample ID

600-93474-1

600-93474-2

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: ARTESIA-CONF-MW25-060514

Lab Sample ID: 600-93474-1

Lab Name: TestAmerica Houston

Job No.: 600-93474-1

SDG ID.:

Matrix: Water

Date Sampled: 06/05/2014 13:12

Reporting Basis: WET

Date Received: 06/07/2014 11:52

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-89-6	Iron, Dissolved	0.0866	0.400	0.0866	mg/L	U		1	6010B
7439-96-5	Manganese, Dissolved	0.000894	0.0100	0.000840	mg/L	J		1	6010B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: ARTESIA-CONF-MW28-060514 Lab Sample ID: 600-93474-2
Lab Name: TestAmerica Houston Job No.: 600-93474-1
SDG ID.: _____
Matrix: Water Date Sampled: 06/05/2014 12:22
Reporting Basis: WET Date Received: 06/07/2014 11:52

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-89-6	Iron, Dissolved	0.0866	0.400	0.0866	mg/L	U		1	6010B
7439-96-5	Manganese, Dissolved	0.00314	0.0100	0.000840	mg/L	J		1	6010B

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Houston Job No.: 600-93474-1

SDG No.: _____

ICV Source: MET0614CCV_00001 Concentration Units: mg/L

CCV Source: MET0614CCV_00001

Analyte	ICV 600-137525/6 06/23/2014 10:28				CCV 600-137525/18 06/23/2014 11:28				CCV 600-137525/42 06/23/2014 12:21			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Iron, Dissolved	2.599		2.50	104	2.495		2.50	100	2.499		2.50	100
Manganese, Dissolved	0.5046		0.500	101	0.5068		0.500	101	0.5067		0.500	101

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Houston Job No.: 600-93474-1

SDG No.: _____

ICV Source: MET0614CCV_00001 Concentration Units: mg/L

CCV Source: MET0614CCV_00001

Analyte	CCV 600-137525/48 06/23/2014 12:34				CCV 600-137525/51 06/23/2014 12:41							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Iron, Dissolved	2.427		2.50	97	2.432		2.50	97				
Manganese, Dissolved	0.4957		0.500	99	0.4953		0.500	99				

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Houston Job No.: 600-93474-1

SDG No.: _____

Concentration Units: mg/L

Analyte	RL	ICB 600-137525/7 06/23/2014 10:30		CCB 600-137525/19 06/23/2014 11:31		CCB 600-137525/43 06/23/2014 12:23		CCB 600-137525/49 06/23/2014 12:36	
		Found	C	Found	C	Found	C	Found	C
Iron, Dissolved	0.400	0.0866	U	0.0866	U	0.0866	U	0.0866	U
Manganese, Dissolved	0.0100	0.000840	U	0.000840	U	0.000840	U	0.000840	U

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Houston Job No.: 600-93474-1

SDG No.: _____

Concentration Units: mg/L

Analyte	RL	CCB 600-137525/52 06/23/2014 12:43							
		Found	C	Found	C	Found	C	Found	C
Iron, Dissolved	0.400	0.0866	U						
Manganese, Dissolved	0.0100	0.000840	U						

3-IN
METHOD BLANK
METALS - DISSOLVED

Lab Name: TestAmerica Houston Job No.: 600-93474-1
SDG No.: _____
Concentration Units: mg/L Lab Sample ID: MB 600-137190/1-B
Instrument Code: SPECTRO1 Batch No.: 137525

CAS No.	Analyte	Concentration	C	Q	Method
7439-89-6	Iron, Dissolved	0.0866	U		6010B
7439-89-6	Iron, Dissolved	0.0866	U		6010B
7439-96-5	Manganese, Dissolved	0.000840	U		6010B

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Houston Job No.: 600-93474-1
 SDG No.: _____
 Lab Sample ID: ICSA 600-137525/4 Instrument ID: SPECTRO1
 Lab File ID: S062314.asc ICS Source: METISA_00106
 Concentration Units: mg/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Iron, Dissolved	200	169	84
Iron, Dissolved	200	200	100
Manganese, Dissolved		0.0031	
<i>Aluminum</i>	<i>500</i>	<i>472</i>	<i>94</i>
<i>Antimony</i>		<i>0.0130</i>	
<i>Arsenic</i>		<i>0.0066</i>	
<i>Barium</i>		<i>0.0021</i>	
<i>Beryllium</i>		<i>0.0001</i>	
<i>Boron</i>		<i>0.0781</i>	
<i>Cadmium</i>		<i>0.0010</i>	
<i>Calcium</i>	<i>500</i>	<i>485</i>	<i>97</i>
<i>Chromium</i>		<i>-0.0027</i>	
<i>Cobalt</i>		<i>0.0014</i>	
<i>Copper</i>		<i>-0.0076</i>	
<i>Lead</i>		<i>0.0152</i>	
<i>Lithium</i>		<i>0.0040</i>	
<i>Magnesium</i>	<i>500</i>	<i>513</i>	<i>103</i>
<i>Molybdenum</i>		<i>-0.0020</i>	
<i>Nickel</i>		<i>0.0013</i>	
<i>Potassium</i>		<i>0.0191</i>	
<i>Selenium</i>		<i>-0.0145</i>	
<i>Silicon</i>		<i>-0.103</i>	
<i>Silver</i>		<i>0.0004</i>	
<i>Sodium</i>		<i>-0.0560</i>	
<i>Strontium</i>		<i>0.0034</i>	
<i>Thallium</i>		<i>-0.0092</i>	
<i>Tin</i>		<i>-0.0037</i>	
<i>Titanium</i>		<i>0.0029</i>	
<i>Vanadium</i>		<i>0.0017</i>	

Calculations are performed before rounding to avoid round-off errors in calculated results.

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Houston Job No.: 600-93474-1
 SDG No.: _____
 Lab Sample ID: ICSAB 600-137525/5 Instrument ID: SPECTRO1
 Lab File ID: S062314.asc ICS Source: METISB_00104
 Concentration Units: mg/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Iron, Dissolved	210	173	82
Iron, Dissolved	210	205	98
Manganese, Dissolved	1.00	0.992	99
<i>Aluminum</i>	<i>510</i>	<i>475</i>	<i>93</i>
<i>Antimony</i>	<i>1.00</i>	<i>0.884</i>	<i>88</i>
<i>Arsenic</i>	<i>1.00</i>	<i>1.05</i>	<i>105</i>
<i>Barium</i>	<i>1.00</i>	<i>1.00</i>	<i>100</i>
<i>Beryllium</i>	<i>0.500</i>	<i>0.506</i>	<i>101</i>
<i>Boron</i>	<i>1.00</i>	<i>0.987</i>	<i>99</i>
<i>Cadmium</i>	<i>0.500</i>	<i>0.463</i>	<i>93</i>
<i>Calcium</i>	<i>510</i>	<i>485</i>	<i>95</i>
<i>Chromium</i>	<i>1.00</i>	<i>0.977</i>	<i>98</i>
<i>Cobalt</i>	<i>1.00</i>	<i>0.921</i>	<i>92</i>
<i>Copper</i>	<i>1.00</i>	<i>1.09</i>	<i>109</i>
<i>Lead</i>	<i>1.00</i>	<i>0.953</i>	<i>95</i>
<i>Lithium</i>	<i>1.00</i>	<i>0.976</i>	<i>98</i>
<i>Magnesium</i>	<i>510</i>	<i>513</i>	<i>101</i>
<i>Molybdenum</i>	<i>1.00</i>	<i>0.971</i>	<i>97</i>
<i>Nickel</i>	<i>1.00</i>	<i>0.913</i>	<i>91</i>
<i>Potassium</i>	<i>10.0</i>	<i>11.4</i>	<i>114</i>
<i>Selenium</i>	<i>1.00</i>	<i>0.995</i>	<i>99</i>
<i>Silver</i>	<i>0.500</i>	<i>0.542</i>	<i>108</i>
<i>Sodium</i>	<i>10.0</i>	<i>8.56</i>	<i>86</i>
<i>Strontium</i>	<i>0.500</i>	<i>0.508</i>	<i>102</i>
<i>Thallium</i>	<i>1.00</i>	<i>0.893</i>	<i>89</i>
<i>Tin</i>	<i>1.00</i>	<i>0.972</i>	<i>97</i>
<i>Titanium</i>	<i>1.00</i>	<i>1.00</i>	<i>100</i>
<i>Vanadium</i>	<i>1.00</i>	<i>0.997</i>	<i>100</i>
<i>Zinc</i>	<i>1.00</i>	<i>1.04</i>	<i>104</i>

Calculations are performed before rounding to avoid round-off errors in calculated results.

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS - DISSOLVED

Client ID: ARTESIA-CONF-MW25-060514 MS Lab ID: 600-93474-1 MS
 Lab Name: TestAmerica Houston Job No.: 600-93474-1
 SDG No.: _____
 Matrix: Water Concentration Units: mg/L
 % Solids: _____

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Iron, Dissolved	9.727	0.0866	U	10.0	97	75-125	6010B
Iron, Dissolved	11.21	0.0866	U	10.0	112	75-125	6010B
Manganese, Dissolved	1.028	0.000894	J	1.00	103	75-125	6010B

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

5A-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
METALS - DISSOLVED

Client ID: ARTESIA-CONF-MW25-060514 MSD Lab ID: 600-93474-1 MSD
 Lab Name: TestAmerica Houston Job No.: 600-93474-1
 SDG No.: _____
 Matrix: Water Concentration Units: mg/L
 % Solids: _____

Analyte	(SDR) C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Iron, Dissolved	9.822	10.0	98	75-125	1	20		6010B
Iron, Dissolved	11.33	10.0	113	75-125	1	20		6010B
Manganese, Dissolved	1.037	1.00	104	75-125	1	20		6010B

SDR = Sample Duplicate Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

5B-IN
POST DIGESTION SPIKE SAMPLE RECOVERY
METALS - DISSOLVED

Client ID: ARTESIA-CONF-MW25-060514 PDS

Lab ID: 600-93474-1 PDS

Lab Name: TestAmerica Houston

Job No.: 600-93474-1

SDG No.: _____

Matrix: Water

Concentration Units: mg/L

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Iron, Dissolved	9.183	0.0866	U	10.0	92	75-125	6010B
Iron, Dissolved	10.57	0.0866	U	10.0	106	75-125	6010B
Manganese, Dissolved	0.9716	0.000894	J	1.00	97	75-125	6010B

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

6-IN
 DUPLICATES
 METALS - DISSOLVED

Client ID: ARTESIA-CONF-MW25-060514 DU Lab ID: 600-93474-1 DU
 Lab Name: TestAmerica Houston Job No.: 600-93474-1
 SDG No.: _____
 % Solids for Sample: _____ % Solids for Duplicate: _____
 Matrix: Water Concentration Units: mg/L

Analyte	Control Limit	Sample (S) C	Duplicate (D) C	RPD	Q	Method
Iron, Dissolved	0.400	0.0866 U	0.0866 U	NC		6010B
Iron, Dissolved	0.400	0.0866 U	0.0866 U	NC		6010B
Manganese, Dissolved	0.0100	0.000894 J	0.001175 J	27		6010B

Calculations are performed before rounding to avoid round-off errors in calculated results.

7A-IN
LAB CONTROL SAMPLE
METALS - DISSOLVED

Lab ID: LCS 600-137190/2-B

Lab Name: TestAmerica Houston

Job No.: 600-93474-1

Sample Matrix: Water

LCS Source: METCALA_00018

Analyte	Water (mg/L)							
	True	Found	C	%R	Limits		Q	Method
Iron, Dissolved	10.0	10.18		102	80	120		6010B
Iron, Dissolved	10.0	11.75		118	80	120		6010B
Manganese, Dissolved	1.00	1.056		106	80	120		6010B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS - DISSOLVED

Lab ID: 600-93474-1

SDG No:

Lab Name: TestAmerica Houston

Job No: 600-93474-1

Matrix: Water

Concentration Units: mg/L

Analyte	Initial Sample Result (I) C		Serial Dilution Result (S) C		% Difference	Q	Method
Iron, Dissolved	0.0866	U	0.433	U	NC		6010B
Iron, Dissolved	0.0866	U	0.433	U	NC		6010B
Manganese, Dissolved	0.000894	J	0.008020	J	NC		6010B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIII-IN

9-IN
DETECTION LIMITS
METALS - DISSOLVED

Lab Name: TestAmerica Houston Job Number: 600-93474-1
SDG Number: _____
Matrix: Water Instrument ID: SPECTRO1
Method: 6010B MDL Date: 03/28/2011 11:53
Prep Method: 3010A

Analyte	Wavelength/ Mass	RL (mg/L)	MDL (mg/L)
Iron, Dissolved		0.4	0.08656
Manganese, Dissolved		0.01	0.00084

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS - DISSOLVED

Lab Name: TestAmerica Houston Job Number: 600-93474-1
SDG Number: _____
Matrix: Water Instrument ID: SPECTRO1
Method: 6010B XMDL Date: 05/16/2008 15:08

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Iron, Dissolved		0.4	0.08656
Manganese, Dissolved		0.01	0.00084

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Houston Job Number: 600-93474-1

SDG No.: _____

ICP-AES Instrument ID: SPECTRO1 Date: 07/29/2013

Analyte	Wave Length	Ag	Al	B	Ba	Be	Ca	CaCO3	Cd	Co	Cr	Cu	Fe	K	Li
Aluminum															
Antimony											0.003049				
Arsenic											0.00092				
Barium															
Beryllium															
Boron															
Cadmium													0.00022		
Calcium															
Chromium															
Cobalt															
Copper													-0.000069		
Iron															
Lead			0.00021										-0.0005		
Lithium															
Magnesium															
Manganese															
Molybdenum															
Nickel															
Potassium															
Selenium															
Silicon															
Silver															
Sodium															
Strontium															
Thallium										0.002536					
Tin															
Titanium															
Vanadium															
Zinc															

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Houston Job Number: 600-93474-1

SDG No.: _____

ICP-AES Instrument ID: SPECTRO1 Date: 07/29/2013

Analyte	Wave Length	Mg	Mn	Mo	Na	Ni	Pb	Sb	Se	Si	Sn	Sr	Ti	Tl	V
Aluminum															
Antimony															
Arsenic															0.0027
Barium															
Beryllium															
Boron															
Cadmium															
Calcium															
Chromium															
Cobalt						0.00249							0.00249		
Copper															
Iron															
Lead															
Lithium															
Magnesium															
Manganese															
Molybdenum															
Nickel															
Potassium															
Selenium															
Silicon															
Silver															
Sodium															
Strontium															
Thallium															0.0017863
Tin															
Titanium															
Vanadium															
Zinc															

10-11

Job Number: 600-93474-1

SDG No.:

Date: 07/29/2013

Analyte	Wave Length	Zn
Aluminum		
Antimony		
Arsenic		
Barium		
Beryllium		
Boron		
Cadmium		
Calcium		
Chromium		
Cobalt		
Copper		
Iron		
Lead		
Lithium		
Magnesium		
Manganese		
Molybdenum		
Nickel		
Potassium		
Selenium		
Silicon		
Silver		
Sodium		
Strontium		
Thallium		
Tin		
Titanium		
Vanadium		
Zinc		

11-IN
LINEAR RANGES
METALS

Lab Name: TestAmerica Houston

Job No: 600-93474-1

SDG No.: _____

Instrument ID: SPECTRO1

Date: 07/01/2013 15:43

Analyte	Integ. Time (Sec.)	Concentration (mg/L)	Method
Iron, Dissolved		250	6010B
Manganese, Dissolved		25	6010B

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Houston Job No.: 600-93474-1

SDG No.: _____

Prep Method: 3010A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 600-137190/1-B	06/18/2014 11:45	137206		50	50
LCS 600-137190/2-B	06/18/2014 11:45	137206		50	50
600-93474-1	06/18/2014 11:45	137206		50	50
600-93474-1 DU	06/18/2014 11:45	137206		50	50
600-93474-1 MS	06/18/2014 11:45	137206		50	50
600-93474-1 MSD	06/18/2014 11:45	137206		50	50
600-93474-2	06/18/2014 11:45	137206		50	50

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Houston Job No.: 600-93474-1

SDG No.: _____

Instrument ID: SPECTRO1 Method: 6010B

Start Date: 06/23/2014 10:18 End Date: 06/23/2014 14:22

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				F e	M n																
ZZZZZZ			10:18																		
ZZZZZZ			10:20																		
ZZZZZZ			10:22																		
ICSA 600-137525/4	1		10:24	X	X																
ICSAB 600-137525/5	1		10:26	X	X																
ICV 600-137525/6	1		10:28	X	X																
ICB 600-137525/7	1		10:30	X	X																
ZZZZZZ			11:07																		
ZZZZZZ			11:09																		
MB 600-137190/1-B	1	D	11:11	X	X																
LCS 600-137190/2-B	1	D	11:13	X	X																
600-93474-1	1	D	11:15	X	X																
600-93474-1 DU	1	D	11:18	X	X																
600-93474-1 MS	1	D	11:20	X	X																
600-93474-1 MSD	1	D	11:22	X	X																
600-93474-2	1	D	11:24	X	X																
ZZZZZZ			11:26																		
CCV 600-137525/18	1		11:28	X	X																
CCB 600-137525/19	1		11:31	X	X																
ZZZZZZ			11:33																		
ZZZZZZ			11:35																		
ZZZZZZ			11:37																		
ZZZZZZ			11:39																		
ZZZZZZ			11:42																		
ZZZZZZ			11:44																		
ZZZZZZ			11:46																		
ZZZZZZ			11:48																		
ZZZZZZ			11:50																		
ZZZZZZ			11:53																		
CCV 600-137525/30			11:55																		
CCB 600-137525/31			11:57																		
ZZZZZZ			11:59																		
ZZZZZZ			12:01																		
ZZZZZZ			12:04																		
ZZZZZZ			12:06																		
ZZZZZZ			12:08																		
ZZZZZZ			12:10																		
ZZZZZZ			12:12																		
ZZZZZZ			12:14																		
ZZZZZZ			12:17																		
ZZZZZZ			12:19																		
CCV 600-137525/42	1		12:21	X	X																

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Houston Job No.: 600-93474-1

SDG No.: _____

Instrument ID: SPECTRO1 Method: 6010B

Start Date: 06/23/2014 10:18 End Date: 06/23/2014 14:22

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				F e	M n																
CCB 600-137525/43	1		12:23	X	X																
ZZZZZZ			12:25																		
ZZZZZZ			12:28																		
ZZZZZZ			12:30																		
600-93474-1 PDS	1	D	12:32	X	X																
CCV 600-137525/48	1		12:34	X	X																
CCB 600-137525/49	1		12:36	X	X																
600-93474-1 SD	5	D	12:39	X	X																
CCV 600-137525/51	1		12:41	X	X																
CCB 600-137525/52	1		12:43	X	X																
CCV 600-137525/53			13:56																		
CCB 600-137525/54			13:58																		
ZZZZZZ			14:00																		
ZZZZZZ			14:02																		
ZZZZZZ			14:04																		
ZZZZZZ			14:06																		
ZZZZZZ			14:09																		
ZZZZZZ			14:11																		
ZZZZZZ			14:13																		
ZZZZZZ			14:15																		
ZZZZZZ			14:17																		
CCV 600-137525/64			14:19																		
CCB 600-137525/65			14:22																		

Prep Types

D = Dissolved

METALS BATCH WORKSHEET

Lab Name: TestAmerica Houston Job No.: 600-93474-1

SDG No.: _____

Batch Number: 137206 Batch Start Date: 06/18/14 11:45 Batch Analyst: Racelis, Froilan Noel E

Batch Method: 3010A Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	Initial pH	InitialAmount	FinalAmount	METCALB 00016	METCALA 00018	METHCL 00060
MB 600-137190/1-A		3010A, 6010B		<2	50 mL	50 mL			2.5 mL
LCS 600-137190/2-A		3010A, 6010B		<2	50 mL	50 mL	250 uL		2.5 mL
600-93474-B-1-A	ARTESIA-CONF-MW2 5-060514	3010A, 6010B	D	<2	50 mL	50 mL			2.5 mL
600-93474-B-1-A	ARTESIA-CONF-MW2 5-060514	3010A, 6010B	D	<2	50 mL	50 mL			2.5 mL
600-93474-B-1-A	ARTESIA-CONF-MW2 5-060514	3010A, 6010B	D	<2	50 mL	50 mL	250 uL		2.5 mL
MSD 600-93474-B-1-A	ARTESIA-CONF-MW2 5-060514	3010A, 6010B	D	<2	50 mL	50 mL	250 uL		2.5 mL
600-93474-B-2-A	ARTESIA-CONF-MW2 8-060514	3010A, 6010B	D	<2	50 mL	50 mL			2.5 mL

Lab Sample ID	Client Sample ID	Method Chain	Basis	METHNO3 00050			
MB 600-137190/1-A		3010A, 6010B		2.5 mL			
LCS 600-137190/2-A		3010A, 6010B		2.5 mL			
600-93474-B-1-A	ARTESIA-CONF-MW2 5-060514	3010A, 6010B	D	2.5 mL			
600-93474-B-1-A	ARTESIA-CONF-MW2 5-060514	3010A, 6010B	D	2.5 mL			
MSD 600-93474-B-1-A	ARTESIA-CONF-MW2 5-060514	3010A, 6010B	D	2.5 mL			
600-93474-B-2-A	ARTESIA-CONF-MW2 8-060514	3010A, 6010B	D	2.5 mL			

Batch Notes	
Hood ID or number	M5
Hot Block ID number	HB 02
Pipette ID	M11
Temperature	93+1.0=94
ID number of the thermometer	587
Digestion Tube/Cup Lot #	1312222

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Houston Job No.: 600-93474-1

SDG No.: _____

Batch Number: 137206 Batch Start Date: 06/18/14 11:45 Batch Analyst: Racelis, Froilan Noel E

Batch Method: 3010A Batch End Date: _____

Basis	Basis Description
D	Dissolved

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

6010B

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Houston Job Number: 600-93474-1

SDG No.: _____

Project: Dowell - Artesia Groundwater

Client Sample ID

ARTESIA-CONF-MW25-060514

ARTESIA-CONF-MW28-060514

Lab Sample ID

600-93474-1

600-93474-2

Comments:

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: ARTESIA-CONF-MW25-060514

Lab Sample ID: 600-93474-1

Lab Name: TestAmerica Houston

Job No.: 600-93474-1

SDG ID.:

Matrix: Water

Date Sampled: 06/05/2014 13:12

Reporting Basis: WET

Date Received: 06/07/2014 11:52

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
18496-25-8	Sulfide	0.00900	0.0100	0.00900	mg/L	U		1	SM 4500 S2 D

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: ARTESIA-CONF-MW28-060514

Lab Sample ID: 600-93474-2

Lab Name: TestAmerica Houston

Job No.: 600-93474-1

SDG ID.:

Matrix: Water

Date Sampled: 06/05/2014 12:22

Reporting Basis: WET

Date Received: 06/07/2014 11:52

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
18496-25-8	Sulfide	0.00900	0.0100	0.00900	mg/L	U		1	SM 4500 S2 D

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Houston Job No.: 600-93474-1
SDG No.: _____
Analyst: KRD Batch Start Date: 06/09/2014
Reporting Units: mg/L Analytical Batch No.: 136506

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	ICV	18:00	Sulfide	0.3050	0.300	102			WETSMETBSU_00014
2	ICB	18:00	Sulfide	0.00900				U	
12	CCV	18:00	Sulfide	0.3110	0.300	104	90-110		WETSMETBSU_00014
13	CCB	18:00	Sulfide	0.00900				U	
22	CCV	18:00	Sulfide	0.3130	0.300	104	90-110		WETSMETBSU_00014
23	CCB	18:00	Sulfide	0.00900				U	

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

3-IN
METHOD BLANK
GENERAL CHEMISTRY

Lab Name: TestAmerica Houston Job No.: 600-93474-1

SDG No.: _____

Method	Lab Sample ID	Analyte	Result	Qual	Units	RL	Dil
Batch ID: 136506 Date: 06/09/2014 18:00							
SM 4500 S2 MB 600-136506/3 D		Sulfide	0.00900	U	mg/L	0.0100	1

5-IN
MATRIX SPIKE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: TestAmerica Houston Job No.: 600-93474-1

SDG No.: _____

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 136506 Date: 06/09/2014 18:00											
SM 4500 S2 D	600-93450-D-1	Sulfide	0.00900	U	mg/L						
SM 4500 S2 D	600-93450-D-1	Sulfide	0.3480		mg/L	0.300	116	75-125			
	MS										

Calculations are performed before rounding to avoid round-off errors in calculated results.

5-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: TestAmerica Houston Job No.: 600-93474-1

SDG No.: _____

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 136506 Date: 06/09/2014 18:00											
SM 4500	600-93450-D-1	Sulfide	0.3450		mg/L	0.300	115	75-125	1	20	
S2 D	MSD										

Calculations are performed before rounding to avoid round-off errors in calculated results.

7A-IN
LAB CONTROL SAMPLE
GENERAL CHEMISTRY

Lab Name: TestAmerica Houston Job No.: 600-93474-1

SDG No.: _____

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 136506 Date: 06/09/2014 18:00			LCS Source: WETSMETBSU_00014								
SM 4500	LCS	Sulfide	0.3060		mg/L	0.300	102	90-110			
S2 D	600-136506/4										

Calculations are performed before rounding to avoid round-off errors in calculated results.

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Houston Job Number: 600-93474-1
SDG Number: _____
Matrix: Water Instrument ID: WC10
Method: SM 4500 S2 D MDL Date: 07/10/2012 13:27

Analyte	Wavelength/ Mass	RL (mg/L)	MDL (mg/L)
Sulfide		0.01	0.009

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Houston Job Number: 600-93474-1
SDG Number: _____
Matrix: Water Instrument ID: WC10
Method: SM 4500 S2 D XMDL Date: 07/10/2012 13:27

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Sulfide		0.01	0.009

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Houston Job No.: 600-93474-1

SDG No.: _____

Instrument ID: WC10 Method: SM 4500 S2 D

Start Date: 06/09/2014 18:00 End Date: 06/09/2014 18:00

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				S 2																	
ICV 600-136506/1	1		18:00	X																	
ICB 600-136506/2	1		18:00	X																	
MB 600-136506/3	1	T	18:00	X																	
LCS 600-136506/4	1	T	18:00	X																	
CCV 600-136506/12	1		18:00	X																	
CCB 600-136506/13	1		18:00	X																	
600-93450-D-1 MS	1	T	18:00	X																	
600-93450-D-1 MSD	1	T	18:00	X																	
600-93474-1	1	T	18:00	X																	
600-93474-2	1	T	18:00	X																	
CCV 600-136506/22	1		18:00	X																	
CCB 600-136506/23	1		18:00	X																	

Prep Types

T = Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Houston Job No.: 600-93474-1

SDG No.: _____

Batch Number: 136506 Batch Start Date: 06/09/14 18:00 Batch Analyst: Daniel, Kevin R

Batch Method: SM 4500 S2 D Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	WETSMETBSU 00014		
ICV 600-136506/1		SM 4500 S2 D		7.5 mL	7.5 mL	150 uL		
ICB 600-136506/2		SM 4500 S2 D		7.5 mL	7.5 mL			
MB 600-136506/3		SM 4500 S2 D		7.5 mL	7.5 mL			
LCS 600-136506/4		SM 4500 S2 D		7.5 mL	7.5 mL	150 uL		
CCV 600-136506/12		SM 4500 S2 D		7.5 mL	7.5 mL	150 uL		
CCB 600-136506/13		SM 4500 S2 D		7.5 mL	7.5 mL			
600-93450-D-1 MS		SM 4500 S2 D	T	7.5 mL	7.5 mL	150 uL		
600-93450-D-1 MSD		SM 4500 S2 D	T	7.5 mL	7.5 mL	150 uL		
600-93474-A-1	ARTESIA-CONF-MW2 5-060514	SM 4500 S2 D	T	7.5 mL	7.5 mL			
600-93474-A-2	ARTESIA-CONF-MW2 8-060514	SM 4500 S2 D	T	7.5 mL	7.5 mL			
CCV 600-136506/22		SM 4500 S2 D		7.5 mL	7.5 mL	150 uL		
CCB 600-136506/23		SM 4500 S2 D		7.5 mL	7.5 mL			

Batch Notes	

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Shipping and Receiving Documents

TestAmerica Houston

6570 Katy Street
Houston, TX 77040
Phone (713) 690-4444 Fax (713) 690-5646

Chain of Custody Record

TestAmerica
LABORATORY TESTING

Client Information Client Contact: Luke Hill Company: CH2M Hill, Inc. Address: 3721 Rutledge Road NE, Suite B-1 4044 Jefferson Plaza NE, Suite 200 City: Albuquerque State, Zip: NM, 87109 Phone: (505) 855-5248 Email: Luke.Hill@ch2m.com Project Name: Dowell - Artesia MW Site: Dowell - Artesia MW		Sampler: Luke Hill Phone: (205) 240-3235 Lab P.M.: Upton, Cathy L. E-Mail: cathy.upton@testamericainc.com		Carrier Tracking No(s): COC No: 600-28644-9863.1 Page: Page 1 of 1 Job #:	
Due Date Requested: TAT Requested (days): Standard TAT PO #: 469935-1301 WO #:		Analysis Requested			
Sample Identification Sample Date: 6/5/14 1312 Sample Type: G Matrix: Water Preservation Code: N		Field Filtered Sample (Yes or No) ☒ Perform MS/MSD (Yes or No) ☒ 6010B - (MOD) Diss Fe, Mn - Lab Filtered 300_ORGFM_28D - Sulfate SM4600_S2_D - Sulfide			
Sample Date: 6/5/14 1222 Sample Type: G Matrix: Water Preservation Code: N		Total Number of containers: 2			
Special Instructions/Note: ***Please send samples directly to the lab without filtering and we will filter upon receipt use unpreserved containers*** **Provided 2 Nitric Preserved Plastic bottles just in case - just let me know which ones you used**		Preservation Codes: A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2CO3 E - NaHSO4 R - Na2S2O3 F - MeOH S - H2SO4 G - Amchlor T - TSP Dodecylhydrate H - Ascorbic Acid U - Acetone I - Ica V - MCAA J - DI Water W - pH 4.5 K - EDTA L - EDA Z - other (specify)			
Possible Hazard Identification ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological					
Deliverable Requested: I, II, III, IV, Other (specify)					
Empty Kit Relinquished by: Date: Time: Method of Shipment:					
Relinquished by: Luke Hill Date/Time: 6/10/2014 1000 Company: CH2M HILL		Received by: Date/Time: Company:			
Relinquished by: Date/Time: Company:		Received by: Date/Time: Company:			
Relinquished by: Date/Time: Company:		Received by: Date/Time: Company:			
Custody Seal Intact: A Yes, A No		Custody Seal No.:			

Sample Receipt Checklist

Loc: 600
93474

ED BY: _____

Date/Time Received: _____

CLIENT: CH2M

'14 JUN 7 11:52

JOB NUMBER: _____

CARRIER/DRIVER: FE

Custody Seal Present: ☒ YES ☐ NO

Number of Coolers Received: _____

IR THERMOMETER #: 549

THERMOMETER CORRECTION FACTOR: 0.1

Temperature of the samples(s):

Temp taken by: TB = Temp. Blank and/or SC = Sample Container

Cooler ID	RW								
Temp	TB SC	TB SC	TB SC	TB SC	TB SC	TB SC	TB SC	TB SC	TB SC
Corrected Temp	1.3	1.2							

Samples received on ice? ☒ YES ☐ NOLABORATORY PRESERVATION OF SAMPLES REQUIRED: ☐ NO ☐ YESBase samples are > pH 12: ☐ YES ☐ NOAcid preserved are < pH 2: ☐ YES ☐ NO

Lot # _____

Lot # _____

VOA headspace acceptable: ☐ YES ☐ NO ☐ NAVOA trip blanks included: ☐ YES ☐ NO ☐ NA

	YES	NO
Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?		

COMMENTS:

Login Sample Receipt Checklist

Client: CH2M Hill, Inc.

Job Number: 600-93474-1

Login Number: 93474

List Source: TestAmerica Houston

List Number: 1

Creator: Lopez, Sandro R

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.2
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	Check done at department level as required.

ANALYTICAL REPORT

Job Number: 600-100953-1

Job Description: Dowell - Artesia Groundwater

For:
CH2M Hill Constructors, Inc.
14701 St. Mary's Lane
Suite 300
Houston, TX 77079-2923
Attention: Mr. John Ynfante



Approved for release.
Cathy L. Upton
Project Manager I
10/30/2014 6:04 PM

Cathy L. Upton, Project Manager I
6310 Rothway Street, Houston, TX, 77040
(713)690-4444
cathy.upton@testamericainc.com
10/30/2014

cc: Mr. Rick Dobbins
Luke Hill
Jeffrey Minchak

The test results in this report meet all NELAP requirements unless specified within the case narrative. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Project Manager.

TestAmerica Houston Certifications and Approvals: TX NELAP T104704223-09A-TX, ARDEQ 88-0759, LADEQ 01967, OKDEQ 9503, UT DOH GULF

TestAmerica Laboratories, Inc.

TestAmerica Houston 6310 Rothway Street, Houston, TX 77040
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Table of Contents

Cover Title Page	1
Data Summaries	4
Report Narrative	4
Sample Summary	6
Executive Summary	7
Method Summary	8
Method / Analyst Summary	9
Sample Datasheets	10
Surrogate Summary	16
QC Data Summary	17
Data Qualifiers	26
QC Association Summary	27
Lab Chronicle	28
Manual Integration Summary	30
Reagent Traceability	32
Certification Summary	43
Organic Sample Data	44
GC/MS VOA	44
8260B_LL	44
8260B_LL QC Summary	45
8260B_LL Sample Data	56
Standards Data	62
8260B_LL ICAL Data	62
8260B_LL CCAL Data	74
Raw QC Data	77
8260B_LL Blank Data	77

Table of Contents

8260B_LL LCS/LCSD Data	79
8260B_LL MS/MSD Data	81
8260B_LL Run Logs	85
Shipping and Receiving Documents	87
Client Chain of Custody	88
Sample Receipt Checklist	90

CASE NARRATIVE

Client: CH2M Hill Constructors, Inc.

Project: Dowell - Artesia Groundwater

Report Number: 600-100953-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes or interferences which exceed the calibration range of the instrument.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

Note: All samples that require thermal preservation are considered acceptable if the arrival temperature is within 2°C of the required temperature or method specified range. For samples with a specified temperature of 4°C, samples with a temperature ranging from just above freezing temperature of water to 6°C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

The samples were received on 10/22/2014; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 5.1 C.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples ARTESIA-TB03-10212014 (600-100953-1), ARTESIA-MW1-10212014 (600-100953-2) and ARTESIA-DUP01-10212014 (600-100953-3) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 10/27/2014.

Methylene Chloride was detected in method blank MB 600-147732/5 at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

Refer to the QC report for details.

1,2,3-Trichlorobenzene failed the recovery criteria high for LCS 600-147732/14. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

Refer to the QC report for details.

1,2,4-Trimethylbenzene and Naphthalene failed the recovery criteria high for the MS of sample 600-100927-9 in batch 600-147732.

For the MSD of sample 600-100927-9 in batch 600-147732, 2-Chloroethyl vinyl ether failed the recovery criteria low. 1,2,3-Trichlorobenzene and Naphthalene failed the recovery criteria high.

Sample matrix interference is suspected because the associated laboratory control sample (LCS) was within acceptance limits.

Refer to the QC report for details.

1,2,4-Trimethylbenzene and Naphthalene exceeded the RPD limit for the MSD of sample 600-100927-9 in batch 600-147732.

Refer to the QC report for details.

The following compounds were outside control limits in the continuing calibration verification (CCV) associated with batch 147732: Dichlorodifluoromethane (-36%). This compound is not classified as a Calibration Check Compound (CCC) in the reference method, and its recovery difference is more than 35% but less than 50%; which is acceptable per the SOP.

The continuing calibration verification (CCV) associated with batch 147732 recovered above the upper control limit for Trichlorofluoromethane (42.1%) and Hexachlorobutadiene (40.8%). The samples associated with this CCV were non-detects for the

affected analytes; therefore, the data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

SAMPLE SUMMARY

Client: CH2M Hill Constructors, Inc.

Job Number: 600-100953-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
600-100953-1	ARTESIA-TB03-10212014	Water	10/21/2014 0800	10/22/2014 0954
600-100953-2	ARTESIA-MW1-10212014	Water	10/21/2014 0945	10/22/2014 0954
600-100953-3	ARTESIA-DUP01-10212014	Water	10/21/2014 1200	10/22/2014 0954

EXECUTIVE SUMMARY - Detections

Client: CH2M Hill Constructors, Inc.

Job Number: 600-100953-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
600-100953-1	ARTESIA-TB03-10212014					
Ethylbenzene		0.416	J	1.00	ug/L	8260B
Xylenes, Total		0.662	J	1.00	ug/L	8260B
o-Xylene		0.662	J	1.00	ug/L	8260B
600-100953-2	ARTESIA-MW1-10212014					
sec-Butylbenzene		0.523	J	1.00	ug/L	8260B
600-100953-3	ARTESIA-DUP01-10212014					
Ethylbenzene		0.404	J	1.00	ug/L	8260B
sec-Butylbenzene		0.570	J	1.00	ug/L	8260B

METHOD SUMMARY

Client: CH2M Hill Constructors, Inc.

Job Number: 600-90041V-9

Description	Lab Location	Method	Preparation Method
Matrix: Water			
alOtile g rpOnic Comdown(s G CSM) T	AL UHg W	) 8 BP6 B2605	
3urpe On(ArOd	AL UHg W		) 8 BP6 10V05

Lab References:

AL UHg W= AestLmericOHouston

Method References:

) 8 BP6 = "Aest Metho(s For EvQuQinp) oli(8 Qste, 3hysicQChemio Metho(s", Ahir(E(ition, November 94B6 Ln(Its
Wd(Qes.

METHOD / ANALYST SUMMARY

Client: CH2M Hill Constructors, Inc.

Job Number: 600-100953-1

Method	Analyst	Analyst ID
SW846 8260B	Teng, Danica	DT1

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-100953-1

Client Sample ID: ARTESIA-TB03-10212014

Lab Sample ID: 600-100953-1

Date Sampled: 10/21/2014 0800

Client Matrix: Water

Date Received: 10/22/2014 0954

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-147732	Instrument ID:	CHVOAMS07
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	A30020.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	10/27/2014 1908			Final Weight/Volume:	20 mL
Prep Date:	10/27/2014 1908				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dichlorodifluoromethane	0.120	U	0.120	1.00
Chloromethane	0.180	U	0.180	2.00
Vinyl chloride	0.110	U	0.110	2.00
Bromomethane	0.250	U	0.250	2.00
Chloroethane	0.0800	U	0.0800	2.00
Trichlorofluoromethane	0.0800	U	0.0800	1.00
1,1-Dichloroethene	0.190	U	0.190	1.00
trans-1,2-Dichloroethene	0.0900	U	0.0900	1.00
Methyl tert-butyl ether	0.120	U	0.120	1.00
Methylene Chloride	0.150	U	0.150	5.00
cis-1,2-Dichloroethene	0.0600	U	0.0600	1.00
2-Butanone (MEK)	0.760	U	0.760	2.00
Bromochloromethane	0.180	U	0.180	1.00
Carbon tetrachloride	0.150	U	0.150	1.00
Benzene	0.0800	U	0.0800	1.00
1,2-Dichloroethane	0.140	U	0.140	1.00
Trichloroethene	0.180	U	0.180	1.00
1,1,1-Trichloroethane	0.150	U	0.150	1.00
1,1-Dichloroethane	0.110	U	0.110	1.00
1,2-Dichloropropane	0.160	U	0.160	1.00
2,2-Dichloropropane	0.130	U	0.130	1.00
Dibromomethane	0.520	U	0.520	1.00
Chloroform	0.130	U	0.130	1.00
Bromodichloromethane	0.160	U	0.160	1.00
2-Chloroethyl vinyl ether	0.500	U	0.500	2.00
1,1-Dichloropropene	0.210	U	0.210	1.00
cis-1,3-Dichloropropene	0.180	U	0.180	1.00
Toluene	0.150	U	0.150	1.00
trans-1,3-Dichloropropene	0.210	U	0.210	1.00
1,1,2-Trichloroethane	0.280	U	0.280	1.00
Tetrachloroethene	0.130	U	0.130	1.00
1,3-Dichloropropane	0.220	U	0.220	1.00
Chlorodibromomethane	0.150	U	0.150	1.00
1,2-Dibromoethane	0.180	U	0.180	1.00
Chlorobenzene	0.120	U	0.120	1.00
1,1,1,2-Tetrachloroethane	0.180	U	0.180	1.00
Ethylbenzene	0.416	J	0.110	1.00
m-Xylene & p-Xylene	0.170	U	0.170	1.00
Xylenes, Total	0.662	J	0.260	1.00
o-Xylene	0.662	J	0.120	1.00
Styrene	0.0700	U	0.0700	1.00
Bromoform	0.190	U	0.190	1.00
Isopropylbenzene	0.180	U	0.180	1.00
Bromobenzene	0.190	U	0.190	1.00
1,2,3-Trichloropropane	0.290	U	0.290	1.00
1,1,2,2-Tetrachloroethane	0.220	U	0.220	1.00

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-100953-1

Client Sample ID: ARTESIA-TB03-10212014

Lab Sample ID: 600-100953-1

Date Sampled: 10/21/2014 0800

Client Matrix: Water

Date Received: 10/22/2014 0954

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-147732	Instrument ID:	CHVOAMS07
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	A30020.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	10/27/2014 1908			Final Weight/Volume:	20 mL
Prep Date:	10/27/2014 1908				

Analyte	Result (ug/L)	Qualifier	MDL	RL
N-Propylbenzene	0.150	U	0.150	1.00
2-Chlorotoluene	0.130	U	0.130	1.00
4-Chlorotoluene	0.140	U	0.140	1.00
1,3,5-Trimethylbenzene	0.100	U	0.100	1.00
tert-Butylbenzene	0.0800	U	0.0800	1.00
p-Isopropyltoluene	0.100	U	0.100	1.00
1,2,4-Trimethylbenzene	0.140	U	0.140	1.00
sec-Butylbenzene	0.120	U	0.120	1.00
1,3-Dichlorobenzene	0.130	U	0.130	1.00
1,4-Dichlorobenzene	0.110	U	0.110	1.00
1,2-Dichlorobenzene	0.100	U	0.100	1.00
n-Butylbenzene	0.160	U	0.160	1.00
1,2-Dibromo-3-Chloropropane	0.810	U	0.810	1.00
1,2,4-Trichlorobenzene	0.310	U	0.310	1.00
Hexachlorobutadiene	0.170	U	0.170	1.00
Naphthalene	0.320	U	0.320	2.00
1,2,3-Trichlorobenzene	0.570	U *	0.570	1.00

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	76		67 - 139
Dibromofluoromethane	100		62 - 130
Toluene-d8 (Surr)	116		70 - 130
1,2-Dichloroethane-d4 (Surr)	89		50 - 134

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-100953-1

Client Sample ID: ARTESIA-MW1-10212014

Lab Sample ID: 600-100953-2

Date Sampled: 10/21/2014 0945

Client Matrix: Water

Date Received: 10/22/2014 0954

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-147732	Instrument ID:	CHVOAMS07
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	A30021.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	10/27/2014 1936			Final Weight/Volume:	20 mL
Prep Date:	10/27/2014 1936				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dichlorodifluoromethane	0.120	U	0.120	1.00
Chloromethane	0.180	U	0.180	2.00
Vinyl chloride	0.110	U	0.110	2.00
Bromomethane	0.250	U	0.250	2.00
Chloroethane	0.0800	U	0.0800	2.00
Trichlorofluoromethane	0.0800	U	0.0800	1.00
1,1-Dichloroethene	0.190	U	0.190	1.00
trans-1,2-Dichloroethene	0.0900	U	0.0900	1.00
Methyl tert-butyl ether	0.120	U	0.120	1.00
Methylene Chloride	0.150	U	0.150	5.00
cis-1,2-Dichloroethene	0.0600	U	0.0600	1.00
2-Butanone (MEK)	0.760	U	0.760	2.00
Bromochloromethane	0.180	U	0.180	1.00
Carbon tetrachloride	0.150	U	0.150	1.00
Benzene	0.0800	U	0.0800	1.00
1,2-Dichloroethane	0.140	U	0.140	1.00
Trichloroethene	0.180	U	0.180	1.00
1,1,1-Trichloroethane	0.150	U	0.150	1.00
1,1-Dichloroethane	0.110	U	0.110	1.00
1,2-Dichloropropane	0.160	U	0.160	1.00
2,2-Dichloropropane	0.130	U	0.130	1.00
Dibromomethane	0.520	U	0.520	1.00
Chloroform	0.130	U	0.130	1.00
Bromodichloromethane	0.160	U	0.160	1.00
2-Chloroethyl vinyl ether	0.500	U	0.500	2.00
1,1-Dichloropropene	0.210	U	0.210	1.00
cis-1,3-Dichloropropene	0.180	U	0.180	1.00
Toluene	0.150	U	0.150	1.00
trans-1,3-Dichloropropene	0.210	U	0.210	1.00
1,1,2-Trichloroethane	0.280	U	0.280	1.00
Tetrachloroethene	0.130	U	0.130	1.00
1,3-Dichloropropane	0.220	U	0.220	1.00
Chlorodibromomethane	0.150	U	0.150	1.00
1,2-Dibromoethane	0.180	U	0.180	1.00
Chlorobenzene	0.120	U	0.120	1.00
1,1,1,2-Tetrachloroethane	0.180	U	0.180	1.00
Ethylbenzene	0.110	U	0.110	1.00
m-Xylene & p-Xylene	0.170	U	0.170	1.00
Xylenes, Total	0.260	U	0.260	1.00
o-Xylene	0.120	U	0.120	1.00
Styrene	0.0700	U	0.0700	1.00
Bromoform	0.190	U	0.190	1.00
Isopropylbenzene	0.180	U	0.180	1.00
Bromobenzene	0.190	U	0.190	1.00
1,2,3-Trichloropropane	0.290	U	0.290	1.00
1,1,2,2-Tetrachloroethane	0.220	U	0.220	1.00

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-100953-1

Client Sample ID: ARTESIA-MW1-10212014

Lab Sample ID: 600-100953-2

Date Sampled: 10/21/2014 0945

Client Matrix: Water

Date Received: 10/22/2014 0954

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-147732	Instrument ID:	CHVOAMS07
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	A30021.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	10/27/2014 1936			Final Weight/Volume:	20 mL
Prep Date:	10/27/2014 1936				

Analyte	Result (ug/L)	Qualifier	MDL	RL
N-Propylbenzene	0.150	U	0.150	1.00
2-Chlorotoluene	0.130	U	0.130	1.00
4-Chlorotoluene	0.140	U	0.140	1.00
1,3,5-Trimethylbenzene	0.100	U	0.100	1.00
tert-Butylbenzene	0.0800	U	0.0800	1.00
p-Isopropyltoluene	0.100	U	0.100	1.00
1,2,4-Trimethylbenzene	0.140	U	0.140	1.00
sec-Butylbenzene	0.523	J	0.120	1.00
1,3-Dichlorobenzene	0.130	U	0.130	1.00
1,4-Dichlorobenzene	0.110	U	0.110	1.00
1,2-Dichlorobenzene	0.100	U	0.100	1.00
n-Butylbenzene	0.160	U	0.160	1.00
1,2-Dibromo-3-Chloropropane	0.810	U	0.810	1.00
1,2,4-Trichlorobenzene	0.310	U	0.310	1.00
Hexachlorobutadiene	0.170	U	0.170	1.00
Naphthalene	0.320	U	0.320	2.00
1,2,3-Trichlorobenzene	0.570	U *	0.570	1.00

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	78		67 - 139
Dibromofluoromethane	96		62 - 130
Toluene-d8 (Surr)	124		70 - 130
1,2-Dichloroethane-d4 (Surr)	86		50 - 134

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-100953-1

Client Sample ID: ARTESIA-DUP01-10212014

Lab Sample ID: 600-100953-3

Date Sampled: 10/21/2014 1200

Client Matrix: Water

Date Received: 10/22/2014 0954

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-147732	Instrument ID:	CHVOAMS07
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	A30022.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	10/27/2014 2005			Final Weight/Volume:	20 mL
Prep Date:	10/27/2014 2005				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dichlorodifluoromethane	0.120	U	0.120	1.00
Chloromethane	0.180	U	0.180	2.00
Vinyl chloride	0.110	U	0.110	2.00
Bromomethane	0.250	U	0.250	2.00
Chloroethane	0.0800	U	0.0800	2.00
Trichlorofluoromethane	0.0800	U	0.0800	1.00
1,1-Dichloroethene	0.190	U	0.190	1.00
trans-1,2-Dichloroethene	0.0900	U	0.0900	1.00
Methyl tert-butyl ether	0.120	U	0.120	1.00
Methylene Chloride	0.150	U	0.150	5.00
cis-1,2-Dichloroethene	0.0600	U	0.0600	1.00
2-Butanone (MEK)	0.760	U	0.760	2.00
Bromochloromethane	0.180	U	0.180	1.00
Carbon tetrachloride	0.150	U	0.150	1.00
Benzene	0.0800	U	0.0800	1.00
1,2-Dichloroethane	0.140	U	0.140	1.00
Trichloroethene	0.180	U	0.180	1.00
1,1,1-Trichloroethane	0.150	U	0.150	1.00
1,1-Dichloroethane	0.110	U	0.110	1.00
1,2-Dichloropropane	0.160	U	0.160	1.00
2,2-Dichloropropane	0.130	U	0.130	1.00
Dibromomethane	0.520	U	0.520	1.00
Chloroform	0.130	U	0.130	1.00
Bromodichloromethane	0.160	U	0.160	1.00
2-Chloroethyl vinyl ether	0.500	U	0.500	2.00
1,1-Dichloropropene	0.210	U	0.210	1.00
cis-1,3-Dichloropropene	0.180	U	0.180	1.00
Toluene	0.150	U	0.150	1.00
trans-1,3-Dichloropropene	0.210	U	0.210	1.00
1,1,2-Trichloroethane	0.280	U	0.280	1.00
Tetrachloroethene	0.130	U	0.130	1.00
1,3-Dichloropropane	0.220	U	0.220	1.00
Chlorodibromomethane	0.150	U	0.150	1.00
1,2-Dibromoethane	0.180	U	0.180	1.00
Chlorobenzene	0.120	U	0.120	1.00
1,1,1,2-Tetrachloroethane	0.180	U	0.180	1.00
Ethylbenzene	0.404	J	0.110	1.00
m-Xylene & p-Xylene	0.170	U	0.170	1.00
Xylenes, Total	0.260	U	0.260	1.00
o-Xylene	0.120	U	0.120	1.00
Styrene	0.0700	U	0.0700	1.00
Bromoform	0.190	U	0.190	1.00
Isopropylbenzene	0.180	U	0.180	1.00
Bromobenzene	0.190	U	0.190	1.00
1,2,3-Trichloropropane	0.290	U	0.290	1.00
1,1,2,2-Tetrachloroethane	0.220	U	0.220	1.00

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-100953-1

Client Sample ID: ARTESIA-DUP01-10212014

Lab Sample ID: 600-100953-3

Date Sampled: 10/21/2014 1200

Client Matrix: Water

Date Received: 10/22/2014 0954

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	600-147732	Instrument ID:	CHVOAMS07
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	A30022.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	10/27/2014 2005			Final Weight/Volume:	20 mL
Prep Date:	10/27/2014 2005				

Analyte	Result (ug/L)	Qualifier	MDL	RL
N-Propylbenzene	0.150	U	0.150	1.00
2-Chlorotoluene	0.130	U	0.130	1.00
4-Chlorotoluene	0.140	U	0.140	1.00
1,3,5-Trimethylbenzene	0.100	U	0.100	1.00
tert-Butylbenzene	0.0800	U	0.0800	1.00
p-Isopropyltoluene	0.100	U	0.100	1.00
1,2,4-Trimethylbenzene	0.140	U	0.140	1.00
sec-Butylbenzene	0.570	J	0.120	1.00
1,3-Dichlorobenzene	0.130	U	0.130	1.00
1,4-Dichlorobenzene	0.110	U	0.110	1.00
1,2-Dichlorobenzene	0.100	U	0.100	1.00
n-Butylbenzene	0.160	U	0.160	1.00
1,2-Dibromo-3-Chloropropane	0.810	U	0.810	1.00
1,2,4-Trichlorobenzene	0.310	U	0.310	1.00
Hexachlorobutadiene	0.170	U	0.170	1.00
Naphthalene	0.320	U	0.320	2.00
1,2,3-Trichlorobenzene	0.570	U *	0.570	1.00

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	75		67 - 139
Dibromofluoromethane	95		62 - 130
Toluene-d8 (Surr)	124		70 - 130
1,2-Dichloroethane-d4 (Surr)	84		50 - 134

Client: CH2M Hill Constructors, Inc.

Job Number: 600-100953-1

Surrogate Recovery Report**8260B Volatile Organic Compounds (GC/MS)****Client Matrix: Water**

Lab Sample ID	Client Sample ID	DBFM %Rec	DCA %Rec	TOL %Rec	BFB %Rec
600-100953-1	ARTESIA-TB03-1021 2014	100	89	116	76
600-100953-2	ARTESIA-MW1-1021 2014	96	86	124	78
600-100953-3	ARTESIA-DUP01-102 12014	95	84	124	75
MB 600-147732/5		96	84	107	81
LCS 600-147732/14		96	83	102	76
600-100927-B-9 MS		100	84	108	79
600-100927-B-9 MSD		96	83	104	74

Surrogate	Acceptance Limits
DBFM = Dibromofluoromethane	62-130
DCA = 1,2-Dichloroethane-d4 (Surr)	50-134
TOL = Toluene-d8 (Surr)	70-130
BFB = 4-Bromofluorobenzene	67-139

Quality Control Results

Client: CH2M Hill Constructors, Inc.

Job Number: 600-100953-1

Method Blank - Batch: 600-147732

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 600-147732/5
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 10/27/2014 1159
 Prep Date: 10/27/2014 1159
 Leach Date: N/A

Analysis Batch: 600-147732
 Prep Batch: N/A
 Leach Batch: N/A
 Units: ug/L

Instrument ID: CHVOAMS07
 Lab File ID: A30004.D
 Initial Weight/Volume: 20 mL
 Final Weight/Volume: 20 mL

Analyte	Result	Qual	MDL	RL
Dichlorodifluoromethane	0.120	U	0.120	1.00
Chloromethane	0.180	U	0.180	2.00
Vinyl chloride	0.110	U	0.110	2.00
Bromomethane	0.250	U	0.250	2.00
Chloroethane	0.0800	U	0.0800	2.00
Trichlorofluoromethane	0.0800	U	0.0800	1.00
1,1-Dichloroethene	0.190	U	0.190	1.00
trans-1,2-Dichloroethene	0.0900	U	0.0900	1.00
Methyl tert-butyl ether	0.120	U	0.120	1.00
Methylene Chloride	1.063	J	0.150	5.00
cis-1,2-Dichloroethene	0.0600	U	0.0600	1.00
2-Butanone (MEK)	0.760	U	0.760	2.00
Bromochloromethane	0.180	U	0.180	1.00
Carbon tetrachloride	0.150	U	0.150	1.00
Benzene	0.0800	U	0.0800	1.00
1,2-Dichloroethane	0.140	U	0.140	1.00
Trichloroethene	0.180	U	0.180	1.00
1,1,1-Trichloroethane	0.150	U	0.150	1.00
1,1-Dichloroethane	0.110	U	0.110	1.00
1,2-Dichloropropane	0.160	U	0.160	1.00
2,2-Dichloropropane	0.130	U	0.130	1.00
Dibromomethane	0.520	U	0.520	1.00
Chloroform	0.130	U	0.130	1.00
Bromodichloromethane	0.160	U	0.160	1.00
2-Chloroethyl vinyl ether	0.500	U	0.500	2.00
1,1-Dichloropropene	0.210	U	0.210	1.00
cis-1,3-Dichloropropene	0.180	U	0.180	1.00
Toluene	0.150	U	0.150	1.00
trans-1,3-Dichloropropene	0.210	U	0.210	1.00
1,1,2-Trichloroethane	0.280	U	0.280	1.00
Tetrachloroethene	0.130	U	0.130	1.00
1,3-Dichloropropane	0.220	U	0.220	1.00
Chlorodibromomethane	0.150	U	0.150	1.00
1,2-Dibromoethane	0.180	U	0.180	1.00
Chlorobenzene	0.120	U	0.120	1.00
1,1,1,2-Tetrachloroethane	0.180	U	0.180	1.00
Ethylbenzene	0.110	U	0.110	1.00
m-Xylene & p-Xylene	0.170	U	0.170	1.00
Xylenes, Total	0.260	U	0.260	1.00
o-Xylene	0.120	U	0.120	1.00
Styrene	0.0700	U	0.0700	1.00
Bromoform	0.190	U	0.190	1.00
Isopropylbenzene	0.180	U	0.180	1.00
Bromobenzene	0.190	U	0.190	1.00
1,2,3-Trichloropropane	0.290	U	0.290	1.00

Quality Control Results

Client: CH2M Hill Constructors, Inc.

Job Number: 600-100953-1

Method Blank - Batch: 600-147732

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 600-147732/5
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 10/27/2014 1159
 Prep Date: 10/27/2014 1159
 Leach Date: N/A

Analysis Batch: 600-147732
 Prep Batch: N/A
 Leach Batch: N/A
 Units: ug/L

Instrument ID: CHVOAMS07
 Lab File ID: A30004.D
 Initial Weight/Volume: 20 mL
 Final Weight/Volume: 20 mL

Analyte	Result	Qual	MDL	RL
1,1,2,2-Tetrachloroethane	0.220	U	0.220	1.00
N-Propylbenzene	0.150	U	0.150	1.00
2-Chlorotoluene	0.130	U	0.130	1.00
4-Chlorotoluene	0.140	U	0.140	1.00
1,3,5-Trimethylbenzene	0.100	U	0.100	1.00
tert-Butylbenzene	0.0800	U	0.0800	1.00
p-Isopropyltoluene	0.100	U	0.100	1.00
1,2,4-Trimethylbenzene	0.140	U	0.140	1.00
sec-Butylbenzene	0.120	U	0.120	1.00
1,3-Dichlorobenzene	0.130	U	0.130	1.00
1,4-Dichlorobenzene	0.110	U	0.110	1.00
1,2-Dichlorobenzene	0.100	U	0.100	1.00
n-Butylbenzene	0.160	U	0.160	1.00
1,2-Dibromo-3-Chloropropane	0.810	U	0.810	1.00
1,2,4-Trichlorobenzene	0.310	U	0.310	1.00
Hexachlorobutadiene	0.170	U	0.170	1.00
Naphthalene	0.320	U	0.320	2.00
1,2,3-Trichlorobenzene	0.570	U	0.570	1.00

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	81	67 - 139
Dibromofluoromethane	96	62 - 130
Toluene-d8 (Surr)	107	70 - 130
1,2-Dichloroethane-d4 (Surr)	84	50 - 134

Quality Control Results

Client: CH2M Hill Constructors, Inc.

Job Number: 600-100953-1

Lab Control Sample - Batch: 600-147732

Method: 8260B

Preparation: 5030B

Lab Sample ID: LCS 600-147732/14
Client Matrix: Water
Dilution: 1.0
Analysis Date: 10/27/2014 1617
Prep Date: 10/27/2014 1617
Leach Date: N/A

Analysis Batch: 600-147732
Prep Batch: N/A
Leach Batch: N/A
Units: ug/L

Instrument ID: CHVOAMS07
Lab File ID: A30014.D
Initial Weight/Volume: 20 mL
Final Weight/Volume: 20 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dichlorodifluoromethane	10.0	4.908	49	10 - 150	
Chloromethane	10.0	6.538	65	10 - 150	
Vinyl chloride	10.0	8.257	83	33 - 150	
Bromomethane	10.0	9.535	95	25 - 150	
Chloroethane	10.0	8.362	84	47 - 150	
Trichlorofluoromethane	10.0	11.09	111	43 - 150	
1,1-Dichloroethene	10.0	11.54	115	58 - 148	
trans-1,2-Dichloroethene	10.0	10.54	105	68 - 131	
Methyl tert-butyl ether	10.0	9.566	96	56 - 132	
Methylene Chloride	10.0	11.30	113	55 - 147	
cis-1,2-Dichloroethene	10.0	9.726	97	68 - 130	
2-Butanone (MEK)	20.0	18.25	91	41 - 141	
Bromochloromethane	10.0	10.64	106	58 - 130	
Carbon tetrachloride	10.0	11.36	114	70 - 144	
Benzene	10.0	9.016	90	70 - 130	
1,2-Dichloroethane	10.0	8.888	89	67 - 134	
Trichloroethene	10.0	11.22	112	70 - 130	
1,1,1-Trichloroethane	10.0	11.49	115	70 - 136	
1,1-Dichloroethane	10.0	8.974	90	70 - 140	
1,2-Dichloropropane	10.0	8.198	82	70 - 130	
2,2-Dichloropropane	10.0	11.12	111	64 - 149	
Dibromomethane	10.0	8.541	85	70 - 130	
Chloroform	10.0	8.724	87	70 - 130	
Bromodichloromethane	10.0	9.485	95	70 - 131	
2-Chloroethyl vinyl ether	20.0	14.75	74	10 - 150	
1,1-Dichloropropene	10.0	9.409	94	70 - 137	
cis-1,3-Dichloropropene	10.0	8.347	83	57 - 130	
Toluene	10.0	9.860	99	70 - 130	
trans-1,3-Dichloropropene	10.0	8.319	83	60 - 130	
1,1,2-Trichloroethane	10.0	9.531	95	70 - 130	
Tetrachloroethene	10.0	9.820	98	47 - 150	
1,3-Dichloropropane	10.0	9.054	91	70 - 130	
Chlorodibromomethane	10.0	10.07	101	62 - 130	
1,2-Dibromoethane	10.0	10.20	102	67 - 130	
Chlorobenzene	10.0	10.36	104	69 - 130	
1,1,1,2-Tetrachloroethane	10.0	11.42	114	70 - 130	
Ethylbenzene	10.0	10.33	103	70 - 130	
m-Xylene & p-Xylene	10.0	9.941	99	70 - 130	
Xylenes, Total	20.0	19.92	100	70 - 130	
o-Xylene	10.0	9.976	100	70 - 130	
Styrene	10.0	9.465	95	70 - 130	
Bromoform	10.0	6.469	65	54 - 133	
Isopropylbenzene	10.0	7.719	77	65 - 132	
Bromobenzene	10.0	9.307	93	70 - 130	
1,2,3-Trichloropropane	10.0	7.417	74	48 - 136	
1,1,2,2-Tetrachloroethane	10.0	6.245	62	58 - 133	

Quality Control Results

Client: CH2M Hill Constructors, Inc.

Job Number: 600-100953-1

Lab Control Sample - Batch: 600-147732

Method: 8260B

Preparation: 5030B

Lab Sample ID: LCS 600-147732/14
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 10/27/2014 1617
 Prep Date: 10/27/2014 1617
 Leach Date: N/A

Analysis Batch: 600-147732
 Prep Batch: N/A
 Leach Batch: N/A
 Units: ug/L

Instrument ID: CHVOAMS07
 Lab File ID: A30014.D
 Initial Weight/Volume: 20 mL
 Final Weight/Volume: 20 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
N-Propylbenzene	10.0	8.344	83	69 - 130	
2-Chlorotoluene	10.0	8.420	84	65 - 130	
4-Chlorotoluene	10.0	7.448	74	70 - 130	
1,3,5-Trimethylbenzene	10.0	7.930	79	69 - 130	
tert-Butylbenzene	10.0	8.623	86	70 - 130	
p-Isopropyltoluene	10.0	8.010	80	70 - 130	
1,2,4-Trimethylbenzene	10.0	8.075	81	70 - 130	
sec-Butylbenzene	10.0	8.241	82	68 - 130	
1,3-Dichlorobenzene	10.0	9.601	96	70 - 130	
1,4-Dichlorobenzene	10.0	8.489	85	70 - 130	
1,2-Dichlorobenzene	10.0	9.651	97	70 - 130	
n-Butylbenzene	10.0	8.005	80	70 - 130	
1,2-Dibromo-3-Chloropropane	10.0	8.662	87	41 - 142	
1,2,4-Trichlorobenzene	10.0	12.96	130	46 - 150	
Hexachlorobutadiene	10.0	12.63	126	55 - 150	
Naphthalene	10.0	12.92	129	10 - 150	
1,2,3-Trichlorobenzene	10.0	17.48	175	10 - 150	*

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	76	67 - 139
Dibromofluoromethane	96	62 - 130
Toluene-d8 (Surr)	102	70 - 130
1,2-Dichloroethane-d4 (Surr)	83	50 - 134

Quality Control Results

Client: CH2M Hill Constructors, Inc.

Job Number: 600-100953-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 600-147732

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	600-100927-B-9 MS	Analysis Batch:	600-147732	Instrument ID:	CHVOAMS07
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	A30012.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	10/27/2014 1520			Final Weight/Volume:	20 mL
Prep Date:	10/27/2014 1520				20 mL
Leach Date:	N/A				

MSD Lab Sample ID:	600-100927-B-9 MSD	Analysis Batch:	600-147732	Instrument ID:	CHVOAMS07
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	A30013.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	10/27/2014 1548			Final Weight/Volume:	20 mL
Prep Date:	10/27/2014 1548				20 mL
Leach Date:	N/A				

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Dichlorodifluoromethane	60	66	10 - 150	8	30		
Chloromethane	71	81	10 - 150	12	30		
Vinyl chloride	88	96	33 - 150	9	30		
Bromomethane	101	112	25 - 150	10	30		
Chloroethane	95	104	47 - 150	10	30		
Trichlorofluoromethane	119	133	43 - 150	11	30		
1,1-Dichloroethene	102	114	58 - 148	5	30		
trans-1,2-Dichloroethene	111	113	68 - 131	2	30		
Methyl tert-butyl ether	100	102	56 - 132	2	30		
Methylene Chloride	90	91	55 - 147	1	30		
cis-1,2-Dichloroethene	101	100	68 - 130	2	30		
2-Butanone (MEK)	81	90	41 - 141	10	30		
Bromochloromethane	108	112	58 - 130	4	30		
Carbon tetrachloride	121	125	70 - 144	3	30		
Benzene	93	96	70 - 130	2	30		
1,2-Dichloroethane	90	93	67 - 134	4	30		
Trichloroethene	118	123	70 - 130	4	30		
1,1,1-Trichloroethane	120	124	70 - 136	3	30		
1,1-Dichloroethane	91	92	70 - 140	1	30		
1,2-Dichloropropane	86	90	70 - 130	5	30		
2,2-Dichloropropane	120	123	64 - 149	2	30		
Dibromomethane	86	90	70 - 130	4	30		
Chloroform	93	92	70 - 130	1	30		
Bromodichloromethane	99	99	70 - 131	0	30		
2-Chloroethyl vinyl ether	10	9	10 - 150	4	30	J	J F1
1,1-Dichloropropene	98	102	70 - 137	4	30		
cis-1,3-Dichloropropene	89	88	57 - 130	1	30		
Toluene	107	107	70 - 130	0	30		
trans-1,3-Dichloropropene	81	88	60 - 130	8	30		
1,1,2-Trichloroethane	103	106	70 - 130	3	30		
Tetrachloroethene	80	92	47 - 150	7	30		
1,3-Dichloropropane	97	97	70 - 130	0	30		
Chlorodibromomethane	112	115	62 - 130	2	30		

Quality Control Results

Client: CH2M Hill Constructors, Inc.

Job Number: 600-100953-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 600-147732

Method: 8260B
Preparation: 5030B

MS Lab Sample ID: 600-100927-B-9 MS
Client Matrix: Water
Dilution: 1.0
Analysis Date: 10/27/2014 1520
Prep Date: 10/27/2014 1520
Leach Date: N/A

Analysis Batch: 600-147732
Prep Batch: N/A
Leach Batch: N/A

Instrument ID: CHVOAMS07
Lab File ID: A30012.D
Initial Weight/Volume: 20 mL
Final Weight/Volume: 20 mL
20 mL

MSD Lab Sample ID: 600-100927-B-9 MSD
Client Matrix: Water
Dilution: 1.0
Analysis Date: 10/27/2014 1548
Prep Date: 10/27/2014 1548
Leach Date: N/A

Analysis Batch: 600-147732
Prep Batch: N/A
Leach Batch: N/A

Instrument ID: CHVOAMS07
Lab File ID: A30013.D
Initial Weight/Volume: 20 mL
Final Weight/Volume: 20 mL
20 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
1,2-Dibromoethane	103	106	67 - 130	2	30		
Chlorobenzene	110	110	69 - 130	0	30		
1,1,1,2-Tetrachloroethane	126	127	70 - 130	0	30		
Ethylbenzene	112	113	70 - 130	1	30		
m-Xylene & p-Xylene	110	108	70 - 130	2	30		
Xylenes, Total	108	107	70 - 130	1	30		
o-Xylene	107	107	70 - 130	0	30		
Styrene	95	95	70 - 130	0	30		
Bromoform	101	104	54 - 133	2	30		
Isopropylbenzene	89	86	65 - 132	3	30		
Bromobenzene	99	101	70 - 130	2	30		
1,2,3-Trichloropropane	80	83	48 - 136	4	30		
1,1,2,2-Tetrachloroethane	75	76	58 - 133	2	30		
N-Propylbenzene	97	92	69 - 130	5	30		
2-Chlorotoluene	92	92	70 - 130	0	30		
4-Chlorotoluene	83	81	70 - 130	2	30		
1,3,5-Trimethylbenzene	92	85	69 - 130	8	30		
tert-Butylbenzene	95	96	70 - 130	0	30		
p-Isopropyltoluene	85	86	70 - 130	1	30		
1,2,4-Trimethylbenzene	161	91	70 - 130	56	30	F1	F2
sec-Butylbenzene	90	90	68 - 130	0	30		
1,3-Dichlorobenzene	99	104	70 - 130	5	30		
1,4-Dichlorobenzene	88	92	70 - 130	4	30		
1,2-Dichlorobenzene	107	108	70 - 130	1	30		
n-Butylbenzene	88	89	70 - 130	1	30		
1,2-Dibromo-3-Chloropropane	88	99	41 - 142	12	30		
1,2,4-Trichlorobenzene	129	138	46 - 150	7	30		
Hexachlorobutadiene	129	136	55 - 150	5	30		
Naphthalene	286	157	10 - 150	58	30	F1	F1 F2
1,2,3-Trichlorobenzene	117	159	10 - 150	30	30		F1
Surrogate	MS % Rec		MSD % Rec		Acceptance Limits		
4-Bromofluorobenzene	79		74		67 - 139		
Dibromofluoromethane	100		96		62 - 130		

Quality Control Results

Client: CH2M Hill Constructors, Inc.

Job Number: 600-100953-1

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Toluene-d8 (Surr)	108	104	70 - 130
1,2-Dichloroethane-d4 (Surr)	84	83	50 - 134

Quality Control Results

Client: CH2M Hill Constructors, Inc.

Job Number: 600-100953-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 600-147732

Method: 8260B
Preparation: 5030B

MS Lab Sample ID: 600-100927-B-9 MS Units: ug/L
Client Matrix: Water
Dilution: 1.0
Analysis Date: 10/27/2014 1520
Prep Date: 10/27/2014 1520
Leach Date: N/A

MSD Lab Sample ID: 600-100927-B-9 MSD
Client Matrix: Water
Dilution: 1.0
Analysis Date: 10/27/2014 1548
Prep Date: 10/27/2014 1548
Leach Date: N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Dichlorodifluoromethane	0.120	U	10.0	10.0	6.037	6.569
Chloromethane	0.180	U	10.0	10.0	7.124	8.069
Vinyl chloride	0.110	U	10.0	10.0	8.781	9.561
Bromomethane	0.250	U	10.0	10.0	10.13	11.18
Chloroethane	0.0800	U	10.0	10.0	9.484	10.45
Trichlorofluoromethane	0.0800	U	10.0	10.0	11.87	13.26
1,1-Dichloroethene	13.1		10.0	10.0	23.31	24.51
trans-1,2-Dichloroethene	0.0900	U	10.0	10.0	11.07	11.28
Methyl tert-butyl ether	0.120	U	10.0	10.0	10.03	10.22
Methylene Chloride	0.150	U	10.0	10.0	9.019	9.133
cis-1,2-Dichloroethene	0.146	J	10.0	10.0	10.29	10.13
2-Butanone (MEK)	0.760	U	20.0	20.0	16.18	17.93
Bromochloromethane	0.180	U	10.0	10.0	10.79	11.23
Carbon tetrachloride	0.150	U	10.0	10.0	12.11	12.54
Benzene	0.0800	U	10.0	10.0	9.328	9.556
1,2-Dichloroethane	0.140	U	10.0	10.0	8.971	9.292
Trichloroethene	2.66		10.0	10.0	14.46	15.00
1,1,1-Trichloroethane	0.150	U	10.0	10.0	11.98	12.36
1,1-Dichloroethane	4.06		10.0	10.0	13.11	13.27
1,2-Dichloropropane	0.160	U	10.0	10.0	8.583	9.011
2,2-Dichloropropane	0.130	U	10.0	10.0	11.97	12.27
Dibromomethane	0.520	U	10.0	10.0	8.613	8.988
Chloroform	0.130	U	10.0	10.0	9.306	9.184
Bromodichloromethane	0.160	U	10.0	10.0	9.876	9.900
2-Chloroethyl vinyl ether	0.500	U	20.0	20.0	1.965	1.881
1,1-Dichloropropene	0.210	U	10.0	10.0	9.802	10.24
cis-1,3-Dichloropropene	0.180	U	10.0	10.0	8.902	8.807
Toluene	0.150	U	10.0	10.0	10.72	10.72
trans-1,3-Dichloropropene	0.210	U	10.0	10.0	8.144	8.818
1,1,2-Trichloroethane	0.280	U	10.0	10.0	10.29	10.55
Tetrachloroethene	7.52		10.0	10.0	15.57	16.71
1,3-Dichloropropane	0.220	U	10.0	10.0	9.705	9.745
Chlorodibromomethane	0.150	U	10.0	10.0	11.25	11.46
1,2-Dibromoethane	0.180	U	10.0	10.0	10.32	10.55
Chlorobenzene	0.120	U	10.0	10.0	11.01	10.97
1,1,1,2-Tetrachloroethane	0.180	U	10.0	10.0	12.64	12.67
Ethylbenzene	0.110	U	10.0	10.0	11.20	11.29
m-Xylene & p-Xylene	0.170	U	10.0	10.0	10.99	10.78
Xylenes, Total	0.260	U	20.0	20.0	21.68	21.49
o-Xylene	0.120	U	10.0	10.0	10.69	10.71
Styrene	0.0700	U	10.0	10.0	9.511	9.526
Bromoform	0.190	U	10.0	10.0	10.13	10.35
Isopropylbenzene	0.180	U	10.0	10.0	8.861	8.592

Quality Control Results

Client: CH2M Hill Constructors, Inc.

Job Number: 600-100953-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 600-147732**

**Method: 8260B
Preparation: 5030B**

MS Lab Sample ID: 600-100927-B-9 MS Units: ug/L
Client Matrix: Water
Dilution: 1.0
Analysis Date: 10/27/2014 1520
Prep Date: 10/27/2014 1520
Leach Date: N/A

MSD Lab Sample ID: 600-100927-B-9 MSD
Client Matrix: Water
Dilution: 1.0
Analysis Date: 10/27/2014 1548
Prep Date: 10/27/2014 1548
Leach Date: N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual	
Bromobenzene	0.190	U	10.0	10.0	9.884	10.08	
1,2,3-Trichloropropane	0.290	U	10.0	10.0	7.998	8.295	
1,1,2,2-Tetrachloroethane	0.220	U	10.0	10.0	7.488	7.610	
N-Propylbenzene	0.150	U	10.0	10.0	9.691	9.178	
2-Chlorotoluene	0.130	U	10.0	10.0	9.182	9.167	
4-Chlorotoluene	0.140	U	10.0	10.0	8.284	8.095	
1,3,5-Trimethylbenzene	0.100	U	10.0	10.0	9.216	8.522	
tert-Butylbenzene	0.0800	U	10.0	10.0	9.546	9.578	
p-Isopropyltoluene	0.100	U	10.0	10.0	8.547	8.634	
1,2,4-Trimethylbenzene	0.140	U	10.0	10.0	16.10	9.056	F1 F2
sec-Butylbenzene	0.120	U	10.0	10.0	9.038	9.039	
1,3-Dichlorobenzene	0.130	U	10.0	10.0	9.911	10.37	
1,4-Dichlorobenzene	0.110	U	10.0	10.0	8.840	9.236	
1,2-Dichlorobenzene	0.100	U	10.0	10.0	10.69	10.81	
n-Butylbenzene	0.160	U	10.0	10.0	8.820	8.884	
1,2-Dibromo-3-Chloropropane	0.810	U	10.0	10.0	8.766	9.876	
1,2,4-Trichlorobenzene	0.310	U	10.0	10.0	12.89	13.76	
Hexachlorobutadiene	0.170	U	10.0	10.0	12.91	13.56	
Naphthalene	0.320	U	10.0	10.0	28.56	15.73	F1 F2
1,2,3-Trichlorobenzene	0.570	U	10.0	10.0	11.70	15.88	F1

DATA REPORTING QUALIFIERS

Client: CH2M Hill Constructors, Inc.

Job Number: 600-100953-1

Lab Section	Qualifier	Description
GC/MS VOA	U	Indicates the analyte was analyzed for but not detected.
	*	LCS or LCSD exceeds the control limits
	F1	MS and/or MSD Recovery exceeds the control limits
	F2	MS/MSD RPD exceeds control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Quality Control Results

Client: CH2M Hill Constructors, Inc.

Job Number: 600-100953-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:600-147732					
LCS 600-147732/14	Lab Control Sample	T	Water	8260B	
MB 600-147732/5	Method Blank	T	Water	8260B	
600-100927-B-9 MS	Matrix Spike	T	Water	8260B	
600-100927-B-9 MSD	Matrix Spike Duplicate	T	Water	8260B	
600-100953-1	ARTESIA-TB03-10212014	T	Water	8260B	
600-100953-2	ARTESIA-MW1-10212014	T	Water	8260B	
600-100953-3	ARTESIA-DUP01-10212014	T	Water	8260B	

Report Basis

T = Total

Quality Control Results

Client: CH2M Hill Constructors, Inc.

Job Number: 600-100953-1

Laboratory Chronicle

Lab ID: 600-100953-1

Client ID: ARTESIA-TB03-10212014

Sample Date/Time: 10/21/2014 08:00

Received Date/Time: 10/22/2014 09:54

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	600-100953-B-1		600-147732		10/27/2014 19:08	1	TAL HOU	DT1
A:8260B	600-100953-B-1		600-147732		10/27/2014 19:08	1	TAL HOU	DT1

Lab ID: 600-100953-2

Client ID: ARTESIA-MW1-10212014

Sample Date/Time: 10/21/2014 09:45

Received Date/Time: 10/22/2014 09:54

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	600-100953-C-2		600-147732		10/27/2014 19:36	1	TAL HOU	DT1
A:8260B	600-100953-C-2		600-147732		10/27/2014 19:36	1	TAL HOU	DT1

Lab ID: 600-100953-3

Client ID: ARTESIA-DUP01-10212014

Sample Date/Time: 10/21/2014 12:00

Received Date/Time: 10/22/2014 09:54

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	600-100953-C-3		600-147732		10/27/2014 20:05	1	TAL HOU	DT1
A:8260B	600-100953-C-3		600-147732		10/27/2014 20:05	1	TAL HOU	DT1

Lab ID: MB

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	MB 600-147732/5		600-147732		10/27/2014 11:59	1	TAL HOU	DT1
A:8260B	MB 600-147732/5		600-147732		10/27/2014 11:59	1	TAL HOU	DT1

Lab ID: LCS

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	LCS 600-147732/14		600-147732		10/27/2014 16:17	1	TAL HOU	DT1
A:8260B	LCS 600-147732/14		600-147732		10/27/2014 16:17	1	TAL HOU	DT1

Lab ID: MS

Client ID: N/A

Sample Date/Time: 10/15/2014 15:15

Received Date/Time: 10/21/2014 10:02

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	600-100927-B-9 MS		600-147732		10/27/2014 15:20	1	TAL HOU	DT1
A:8260B	600-100927-B-9 MS		600-147732		10/27/2014 15:20	1	TAL HOU	DT1

Quality Control Results

Client: CH2M Hill Constructors, Inc.

Job Number: 600-100953-1

Laboratory Chronicle

Lab ID: MSD

Client ID: N/A

Sample Date/Time: 10/15/2014 15:15

Received Date/Time: 10/21/2014 10:02

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	600-100927-B-9 MSD		600-147732		10/27/2014 15:48	1	TAL HOU	DT1
A:8260B	600-100927-B-9 MSD		600-147732		10/27/2014 15:48	1	TAL HOU	DT1

Lab References:

TAL HOU = TestAmerica Houston

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-100953-1

SDG No.: _____

Instrument ID: CHVOAMS07 Analysis Batch Number: 146352

Lab Sample ID: IC 600-146352/3 Client Sample ID: _____

Date Analyzed: 10/10/14 13:51 Lab File ID: A28302A.D GC Column: DB-VRX 60 ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetone	5.78	Poor chromatography	tengd	10/10/14 17:01
Isobutyl alcohol	7.66	Poor chromatography	tengd	10/10/14 17:31
1,4-Dioxane	9.16	Poor chromatography	tengd	10/10/14 17:01
2-Hexanone	10.47	Poor chromatography	tengd	10/10/14 17:01
Bromoforn	12.34	Poor chromatography	tengd	10/10/14 17:31
trans-1,4-Dichloro-2-butene	12.73	Poor chromatography	tengd	10/10/14 17:01
1,2-Dibromo-3-Chloropropane	15.18	Poor chromatography	tengd	10/10/14 17:01

Lab Sample ID: IC 600-146352/4 Client Sample ID: _____

Date Analyzed: 10/10/14 14:19 Lab File ID: A28303.D GC Column: DB-VRX 60 ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetone	5.79	Poor chromatography	tengd	10/10/14 17:02
Isobutyl alcohol	7.66	Poor chromatography	tengd	10/10/14 17:05
1,4-Dioxane	9.15	Poor chromatography	tengd	10/10/14 17:05

Lab Sample ID: IC 600-146352/5 Client Sample ID: _____

Date Analyzed: 10/10/14 14:48 Lab File ID: A28304.D GC Column: DB-VRX 60 ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetone	5.79	Poor chromatography	tengd	10/10/14 17:07
Ethyl acrylate	8.90	Poor chromatography	tengd	10/10/14 17:07

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Houston

Job No.: 600-100953-1

SDG No.:

Instrument ID: CHVOAMS07

Analysis Batch Number: 146352

Lab Sample ID: ICIS 600-146352/6

Client Sample ID:

Date Analyzed: 10/10/14 15:16

Lab File ID: A28305.D

GC Column: DB-VRX 60

ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetone	5.78	Poor chromatography	tengd	10/10/14 16:56
Ethyl acrylate	8.89	Poor chromatography	tengd	10/10/14 16:56

Lab Sample ID: IC 600-146352/7

Client Sample ID:

Date Analyzed: 10/10/14 15:45

Lab File ID: A28306.D

GC Column: DB-VRX 60

ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetone	5.77	Poor chromatography	tengd	10/10/14 17:08
Ethyl acrylate	8.89	Poor chromatography	tengd	10/10/14 17:08

Lab Sample ID: IC 600-146352/8

Client Sample ID:

Date Analyzed: 10/10/14 16:13

Lab File ID: A28307.D

GC Column: DB-VRX 60

ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Ethyl acrylate	8.89	Poor chromatography	tengd	10/10/14 17:10

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-100953-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
23DC1Butanes_00035 .23DC1ButaneL_00036	10/23/14	10/09/14	Methol, Lot V091514A	1 mL	23DC1ButaneL_00036	25 uL	cis 2,3-dichlorobutane	50 ug/mL
	10/16/15		AccuStd, Lot 209101140-02		(Purchased Reagent)		trans 2,3-dichlorobutane	50 ug/mL
							trans 2,3-dichlorobutane	2000 ug/mL
VOA1S250PPM_00006 .VOA3IS_00001	10/15/14	10/01/14	Methanol, Lot V091514A	1 mL	VOA3IS_00001	100 uL	1,4-Dichlorobenzene-d4	250 ug/mL
							Chlorobenzene-d5	250 ug/mL
							Fluorobenzene	250 ug/mL
	11/30/18		Restek, Lot A099180		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2500 ug/mL
							Chlorobenzene-d5	2500 ug/mL
							Fluorobenzene	2500 ug/mL
VOALCSGASPT_00085 .VOARGASICS_00001	10/29/14	10/22/14	Methanol, Lot V091514A	1 mL	VOARGASICS_00001	25 uL	Bromomethane	50 ug/mL
							Chloroethane	50 ug/mL
							Chloromethane	50 ug/mL
							Dichlorodifluoromethane	50 ug/mL
							Trichlorofluoromethane	50 ug/mL
							Vinyl chloride	50 ug/mL
	02/28/15		RESTEK, Lot A093618		(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Dichlorodifluoromethane	2000 ug/mL
							Trichlorofluoromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
VOALCSPT2_00014	11/08/14	10/25/14	Methanol, Lot V091514A	1 mL	VOAR2CEVELCS_00001	50 uL	2-Chloroethyl vinyl ether	100 ug/mL
					VOARKETONLCS_00001	10 uL	2-Butanone (MEK)	100 ug/mL
					VOARMegMxLcst_00001	25 uL	1,1,1,2-Tetrachloroethane	50 ug/mL
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,1-Dichloropropene	50 ug/mL
							1,2,3-Trichlorobenzene	50 ug/mL
							1,2,3-Trichloropropene	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2,4-Trimethylbenzene	50 ug/mL
							1,2-Dibromo-3-Chloropropene	50 ug/mL
							1,2-Dibromoethane	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloropropene	50 ug/mL
							1,3,5-Trimethylbenzene	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,3-Dichloropropene	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							2,2-Dichloropropene	50 ug/mL
							2-Chlorotoluene	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-100953-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Chlorotoluene	50 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chlorodibromomethane	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Dibromomethane	50 ug/mL
							Ethylbenzene	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Isopropylbenzene	50 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL
							N-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							p-Isopropyltoluene	50 ug/mL
							sec-Butylbenzene	50 ug/mL
							Styrene	50 ug/mL
							tert-Butylbenzene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							Trichloroethene	50 ug/mL
							Xylenes, Total	100 ug/mL
.VOAR2CEVELCS_00001	02/29/16		Restek, Lot A093471		(Purchased Reagent)		2-Chloroethyl vinyl ether	2000 ug/mL
.VOARKETONLCS_00001	02/29/16		Restek, Lot A093472		(Purchased Reagent)		2-Butanone (MEK)	10000 ug/mL
.VOARMegMxLcsT_00001	02/29/16		Restek, Lot A093733		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	2000 ug/mL
							1,1,1-Trichloroethane	2000 ug/mL
							1,1,2,2-Tetrachloroethane	2000 ug/mL
							1,1,2-Trichloroethane	2000 ug/mL
							1,1-Dichloroethane	2000 ug/mL
							1,1-Dichloroethene	2000 ug/mL
							1,1-Dichloropropene	2000 ug/mL
							1,2,3-Trichlorobenzene	2000 ug/mL
							1,2,3-Trichloropropene	2000 ug/mL
							1,2,4-Trichlorobenzene	2000 ug/mL
							1,2,4-Trimethylbenzene	2000 ug/mL
							1,2-Dibromo-3-Chloropropane	2000 ug/mL
							1,2-Dibromoethane	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-100953-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
VOARSS0PPM_00169	10/29/14	10/15/14	Methanol, Lot V091514A	1 mL	VOARSS_00004	20 uL	1,2-Dichlorobenzene	2000 ug/mL
							1,2-Dichloroethane	2000 ug/mL
							1,2-Dichloropropane	2000 ug/mL
							1,3,5-Trimethylbenzene	2000 ug/mL
							1,3-Dichlorobenzene	2000 ug/mL
							1,3-Dichloropropane	2000 ug/mL
							1,4-Dichlorobenzene	2000 ug/mL
							2,2-Dichloropropane	2000 ug/mL
							2-Chlorotoluene	2000 ug/mL
							4-Chlorotoluene	2000 ug/mL
							Benzene	2000 ug/mL
							Bromobenzene	2000 ug/mL
							Bromochloromethane	2000 ug/mL
							Bromodichloromethane	2000 ug/mL
							Bromoform	2000 ug/mL
							Carbon tetrachloride	2000 ug/mL
							Chlorobenzene	2000 ug/mL
							Chlorodibromomethane	2000 ug/mL
							Chloroform	2000 ug/mL
							cis-1,2-Dichloroethene	2000 ug/mL
							cis-1,3-Dichloropropene	2000 ug/mL
							Dibromomethane	2000 ug/mL
							Ethylbenzene	2000 ug/mL
							Hexachlorobutadiene	2000 ug/mL
							Isopropylbenzene	2000 ug/mL
							m-Xylene & p-Xylene	2000 ug/mL
							Methyl tert-butyl ether	2000 ug/mL
							Methylene Chloride	2000 ug/mL
							n-Butylbenzene	2000 ug/mL
							N-Propylbenzene	2000 ug/mL
							Naphthalene	2000 ug/mL
							o-Xylene	2000 ug/mL
							p-Isopropyltoluene	2000 ug/mL
							sec-Butylbenzene	2000 ug/mL
							Styrene	2000 ug/mL
							tert-Butylbenzene	2000 ug/mL
							Tetrachloroethene	2000 ug/mL
							Toluene	2000 ug/mL
							trans-1,2-Dichloroethene	2000 ug/mL
							trans-1,3-Dichloropropene	2000 ug/mL
							Trichloroethene	2000 ug/mL
							Xylenes, Total	4000 ug/mL
.VOARSS_00004	05/31/19		Restek, Lot A0103672		(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	50 ug/mL
							4-Bromofluorobenzene	50 ug/mL
							Dibromofluoromethane	50 ug/mL
							Toluene-d8 (Surr)	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-100953-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
VOASTDCASPT_00083	10/15/14	10/08/14	Methanol, Lot V091514A	1 mL	VOARGAS_00002	25 uL	4-Bromofluorobenzene Dibromofluoromethane Toluene-d8 (Surr)	2500 ug/mL 2500 ug/mL 2500 ug/mL
							Bromomethane Butadiene Chloroethane Chloromethane Dichlorodifluoromethane Dichlorofluoromethane Trichlorofluoromethane Vinyl chloride	50 ug/mL 50 ug/mL 50 ug/mL 50 ug/mL 50 ug/mL 50 ug/mL 50 ug/mL
.VOARGAS_00002	02/28/15		RESTEK, Lot A093341		(Purchased Reagent)		Bromomethane Butadiene Chloroethane Chloromethane Dichlorodifluoromethane Dichlorofluoromethane Trichlorofluoromethane Vinyl chloride	2000 ug/mL 2000 ug/mL 2000 ug/mL 2000 ug/mL 2000 ug/mL 2000 ug/mL 2000 ug/mL
VOASTDCASPT_00085	10/29/14	10/22/14	Methanol, Lot V091514A	1 mL	VOARGAS_00002	25 uL	Bromomethane Chloroethane Chloromethane Dichlorodifluoromethane Trichlorofluoromethane Vinyl chloride	50 ug/mL 50 ug/mL 50 ug/mL 50 ug/mL 50 ug/mL 50 ug/mL
.VOARGAS_00002	02/28/15		RESTEK, Lot A093341		(Purchased Reagent)		Bromomethane Chloroethane Chloromethane Dichlorodifluoromethane Trichlorofluoromethane Vinyl chloride	2000 ug/mL 2000 ug/mL 2000 ug/mL 2000 ug/mL 2000 ug/mL 2000 ug/mL
VOASTDPT2_00012	10/11/14	09/27/14	Methanol, Lot V091514A	1 mL	VOAR2CEVE_00002 VOARAcrolein_00009 VOARADCOM_00003	50 uL 12.5 uL 25 uL	2-Chloroethyl vinyl ether Acrolein 1,2,3-Trimethylbenzene 1,3,5-Trichlorobenzene 1-Chlorohexane 2-Chloro-1,3-butadiene 2-Nitropropane Benzyl chloride Ethyl acetate Ethyl acrylate Isopropyl alcohol Methacrylonitrile Methyl methacrylate n-Butanol n-Butyl acetate Cyclohexanone	100 ug/mL 250 ug/mL 50 ug/mL 50 ug/mL 50 ug/mL 50 ug/mL 100 ug/mL 50 ug/mL 100 ug/mL 50 ug/mL 500 ug/mL 500 ug/mL 100 ug/mL 1250 ug/mL 50 ug/mL 2500 ug/mL
					VOARCYCHONE_00004	125 uL		

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-100953-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					VOARKETON_00002	10 uL	2-Butanone (MEK)	100 ug/mL
							2-Hexanone	100 ug/mL
							4-Methyl-2-pentanone (MIBK)	100 ug/mL
							Acetone	100 ug/mL
							1,1,1,2-Tetrachloroethane	50 ug/mL
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,1-Dichloropropene	50 ug/mL
							1,2,3-Trichlorobenzene	50 ug/mL
							1,2,3-Trichloropropene	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2,4-Trimethylbenzene	50 ug/mL
							1,2-Dibromo-3-Chloropropene	50 ug/mL
					VOARMegMixT_00001	25 uL	1,2-Dibromoethane	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloropropene	50 ug/mL
							1,3,5-Trimethylbenzene	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,3-Dichloropropene	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							1,4-Dioxane	1000 ug/mL
							2,2-Dichloropropene	50 ug/mL
							2-Chlorotoluene	50 ug/mL
							2-Methyl-2-propanol	500 ug/mL
							3-Chloro-1-propene	50 ug/mL
							4-Chlorotoluene	50 ug/mL
							Acrylonitrile	500 ug/mL
							Benzene	50 ug/mL
Bromobenzene	50 ug/mL							
Bromochloromethane	50 ug/mL							
Bromodichloromethane	50 ug/mL							
Bromoform	50 ug/mL							
Carbon disulfide	50 ug/mL							
Carbon tetrachloride	50 ug/mL							
Chlorobenzene	50 ug/mL							
Chlorodibromomethane	50 ug/mL							
Chloroform	50 ug/mL							
cis-1,2-Dichloroethene	50 ug/mL							
cis-1,3-Dichloropropene	50 ug/mL							
Cyclohexane	50 ug/mL							
Dibromomethane	50 ug/mL							
Ethyl ether	50 ug/mL							

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-100953-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Ethyl methacrylate	50 ug/mL
							Ethylbenzene	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Hexane	50 ug/mL
							Iodomethane	50 ug/mL
							Isobutyl alcohol	1250 ug/mL
							Isopropylbenzene	50 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methyl acetate	250 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylcyclohexane	50 ug/mL
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL
							n-Heptane	50 ug/mL
							N-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							p-Isopropyltoluene	50 ug/mL
							sec-Butylbenzene	50 ug/mL
							Styrene	50 ug/mL
							tert-Butylbenzene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Tetrahydrofuran	100 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							trans-1,4-Dichloro-2-butene	50 ug/mL
							Trichloroethene	50 ug/mL
						25 uL	Pentachloroethane	50 ug/mL
						25 uL	Acetonitrile	500 ug/mL
							Ethanol	2500 ug/mL
							Isopropyl ether	50 ug/mL
							Propionitrile	500 ug/mL
							Tert-amyl methyl ether	50 ug/mL
							Tert-butyl ethyl ether	50 ug/mL
						20 uL	1,2-Dichloroethane-d4 (Surr)	50 ug/mL
							4-Bromofluorobenzene	50 ug/mL
							Dibromofluoromethane	50 ug/mL
							Toluene-d8 (Surr)	50 ug/mL
						25 uL	Vinyl acetate	100 ug/mL
							2-Chloroethyl vinyl ether	2000 ug/mL
							Acrolin	20000 ug/mL
							1,2,3-Trimethylbenzene	2000 ug/mL
							1,3,5-Trichlorobenzene	2000 ug/mL
							1-Chlorohexane	2000 ug/mL
							2-Chloro-1,3-butadiene	2000 ug/mL
							2-Nitropropane	4000 ug/mL
							Benzyl chloride	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-100953-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.VOARCYCHONE_00004 .VOARKETON_00002	02/29/16 02/29/16		Restek, Lot A093361 RESTEK, Lot A093365		(Purchased Reagent) (Purchased Reagent)		Ethyl acetate	4000 ug/mL
							Ethyl acrylate	2000 ug/mL
							Isopropyl alcohol	20000 ug/mL
							Methacrylonitrile	20000 ug/mL
							Methyl methacrylate	4000 ug/mL
							n-Butanol	50000 ug/mL
.VOARMEgMixT_00001	02/29/16		Restek, Lot A093581		(Purchased Reagent)		n-Butyl acetate	2000 ug/mL
							Cyclohexanone	20000 ug/mL
							2-Butanone (MEK)	10000 ug/mL
							2-Hexanone	10000 ug/mL
							4-Methyl-2-pentanone (MIBK)	10000 ug/mL
							Acetone	10000 ug/mL
							1,1,1,2-Tetrachloroethane	2000 ug/mL
							1,1,1-Trichloroethane	2000 ug/mL
							1,1,2,2-Tetrachloroethane	2000 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	2000 ug/mL
							1,1,2-Trichloroethane	2000 ug/mL
							1,1-Dichloroethane	2000 ug/mL
							1,1-Dichloroethene	2000 ug/mL
							1,1-Dichloropropene	2000 ug/mL
							1,2,3-Trichlorobenzene	2000 ug/mL
							1,2,3-Trichloropropane	2000 ug/mL
							1,2,4-Trichlorobenzene	2000 ug/mL
							1,2,4-Trimethylbenzene	2000 ug/mL
							1,2-Dibromo-3-Chloropropane	2000 ug/mL
							1,2-Dibromoethane	2000 ug/mL
							1,2-Dichlorobenzene	2000 ug/mL
							1,2-Dichloroethane	2000 ug/mL
							1,2-Dichloropropane	2000 ug/mL
							1,3,5-Trimethylbenzene	2000 ug/mL
							1,3-Dichlorobenzene	2000 ug/mL
							1,3-Dichloropropane	2000 ug/mL
							1,4-Dichlorobenzene	2000 ug/mL
							1,4-Dioxane	40000 ug/mL
							2,2-Dichloropropane	2000 ug/mL
							2-Chlorotoluene	2000 ug/mL
							2-Methyl-2-propanol	20000 ug/mL
							3-Chloro-1-propene	2000 ug/mL
							4-Chlorotoluene	2000 ug/mL
							Acrylonitrile	20000 ug/mL
							Benzene	2000 ug/mL
							Bromobenzene	2000 ug/mL
							Bromochloromethane	2000 ug/mL
							Bromodichloromethane	2000 ug/mL
							Bromoform	2000 ug/mL
							Carbon disulfide	2000 ug/mL
							Carbon tetrachloride	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-100953-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.VOARNR2_00001 .VOARPOLADD_00001							Chlorobenzene	2000 ug/mL
							Chlorodibromomethane	2000 ug/mL
							Chloroform	2000 ug/mL
							cis-1,2-Dichloroethene	2000 ug/mL
							cis-1,3-Dichloropropene	2000 ug/mL
							Cyclohexane	2000 ug/mL
							Dibromomethane	2000 ug/mL
							Ethyl ether	2000 ug/mL
							Ethyl methacrylate	2000 ug/mL
							Ethylbenzene	2000 ug/mL
							Hexachlorobutadiene	2000 ug/mL
							Hexane	2000 ug/mL
							Iodomethane	2000 ug/mL
							Isobutyl alcohol	50000 ug/mL
							Isopropylbenzene	2000 ug/mL
							m-Xylene & p-Xylene	2000 ug/mL
							Methyl acetate	10000 ug/mL
							Methyl tert-butyl ether	2000 ug/mL
							Methylcyclohexane	2000 ug/mL
							Methylene Chloride	2000 ug/mL
.VOARSS_00003							n-Heptane	2000 ug/mL
							N-Propylbenzene	2000 ug/mL
							Naphthalene	2000 ug/mL
							o-Xylene	2000 ug/mL
							p-Isopropyltoluene	2000 ug/mL
							sec-Butylbenzene	2000 ug/mL
							Styrene	2000 ug/mL
							tert-Butylbenzene	2000 ug/mL
							Tetrachloroethene	2000 ug/mL
							Tetrahydrofuran	4000 ug/mL
							Toluene	2000 ug/mL
							trans-1,2-Dichloroethene	2000 ug/mL
							trans-1,3-Dichloropropene	2000 ug/mL
							trans-1,4-Dichloro-2-butene	2000 ug/mL
							Trichloroethene	2000 ug/mL
							Pentachloroethane	2000 ug/mL
							Acetonitrile	20000 ug/mL
							Ethanol	100000 ug/mL
							Isopropyl ether	2000 ug/mL
							Propionitrile	20000 ug/mL
.VOARVA_00004							Tert-amyl methyl ether	2000 ug/mL
							Tert-butyl ethyl ether	2000 ug/mL
							1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene	2500 ug/mL
							Dibromofluoromethane	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL
							Vinyl acetate	4000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-100953-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
VOASTDPT2_00014	11/08/14	10/25/14	Methanol, Lot V091514A	1 mL	VOAR2CEVE_00002	50 uL	2-Chloroethyl vinyl ether	100 ug/mL
					VOARKETON_00002	10 uL	2-Butanone (MEK)	100 ug/mL
					VOARMegMixT_00001	25 uL	1,1,1,2-Tetrachloroethane	50 ug/mL
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,1-Dichloropropene	50 ug/mL
							1,2,3-Trichlorobenzene	50 ug/mL
							1,2,3-Trichloropropene	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2,4-Trimethylbenzene	50 ug/mL
							1,2-Dibromo-3-Chloropropene	50 ug/mL
							1,2-Dibromoethane	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloropropene	50 ug/mL
							1,3,5-Trimethylbenzene	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,3-Dichloropropene	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							2,2-Dichloropropene	50 ug/mL
							2-Chlorotoluene	50 ug/mL
							4-Chlorotoluene	50 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chlorodibromomethane	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Dibromomethane	50 ug/mL
							Ethylbenzene	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Isopropylbenzene	50 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL
							N-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							p-Isopropyltoluene	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-100953-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.VOAR2CEVE_00002 .VOARKETON_00002 .VOARMegMixT_00001	02/29/16		Restek, Lot A093368 RESTEK, Lot A093365 Restek, Lot A093581		VOARSS_00003	20 uL	sec-Butylbenzene	50 ug/mL
							Styrene	50 ug/mL
							tert-Butylbenzene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							Trichloroethene	50 ug/mL
							Xylenes, Total	100 ug/mL
							1,2-Dichloroethane-d4 (Surr)	50 ug/mL
							4-Bromofluorobenzene	50 ug/mL
							Dibromofluoromethane	50 ug/mL
							Toluene-d8 (Surr)	50 ug/mL
							2-Chloroethyl vinyl ether	2000 ug/mL
							2-Butanone (MEK)	10000 ug/mL
	02/29/16						1,1,1,2-Tetrachloroethane	2000 ug/mL
							1,1,1-Trichloroethane	2000 ug/mL
							1,1,2,2-Tetrachloroethane	2000 ug/mL
							1,1,2-Trichloroethane	2000 ug/mL
							1,1-Dichloroethane	2000 ug/mL
							1,1-Dichloropropene	2000 ug/mL
							1,2,3-Trichlorobenzene	2000 ug/mL
							1,2,3-Trichloropropene	2000 ug/mL
							1,2,4-Trichlorobenzene	2000 ug/mL
							1,2,4-Trimethylbenzene	2000 ug/mL
							1,2-Dibromo-3-Chloropropene	2000 ug/mL
							1,2-Dibromoethane	2000 ug/mL
							1,2-Dichlorobenzene	2000 ug/mL
							1,2-Dichloroethane	2000 ug/mL
							1,2-Dichloropropene	2000 ug/mL
							1,3,5-Trimethylbenzene	2000 ug/mL
							1,3-Dichlorobenzene	2000 ug/mL
							1,3-Dichloropropene	2000 ug/mL
							1,4-Dichlorobenzene	2000 ug/mL
							2,2-Dichloropropene	2000 ug/mL
							2-Chlorotoluene	2000 ug/mL
							4-Chlorotoluene	2000 ug/mL
							Benzene	2000 ug/mL
							Bromobenzene	2000 ug/mL
							Bromochloromethane	2000 ug/mL
							Bromodichloromethane	2000 ug/mL
							Bromoform	2000 ug/mL
							Carbon tetrachloride	2000 ug/mL
							Chlorobenzene	2000 ug/mL
							Chlorodibromomethane	2000 ug/mL
							Chloroform	2000 ug/mL
							cis-1,2-Dichloroethene	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-100953-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.VOARSS_00003	01/31/19		Restek, Lot A0101000				cis-1,3-Dichloropropene	2000 ug/mL
							Dibromomethane	2000 ug/mL
							Ethylbenzene	2000 ug/mL
							Hexachlorobutadiene	2000 ug/mL
							Isopropylbenzene	2000 ug/mL
							m-Xylene & p-Xylene	2000 ug/mL
							Methyl tert-butyl ether	2000 ug/mL
							Methylene Chloride	2000 ug/mL
							n-Butylbenzene	2000 ug/mL
							N-Propylbenzene	2000 ug/mL
							Naphthalene	2000 ug/mL
							o-Xylene	2000 ug/mL
							p-Isopropyltoluene	2000 ug/mL
							sec-Butylbenzene	2000 ug/mL
							Styrene	2000 ug/mL
							tert-Butylbenzene	2000 ug/mL
							Tetrachloroethene	2000 ug/mL
							Toluene	2000 ug/mL
							trans-1,2-Dichloroethene	2000 ug/mL
							trans-1,3-Dichloropropene	2000 ug/mL
					(Purchased Reagent)		Trichloroethene	2000 ug/mL
							Xylenes, Total	4000 ug/mL
							1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene	2500 ug/mL
							Dibromofluoromethane	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL

Certification Summary

Client: CH2M Hill Constructors, Inc.
j ro/ectSite: DoGell - Artesia d roun8Gater

TestAmerica Job ID: 600-90041P-9

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Houston	Arkansas DEQ	wtate j rogram	6	77-0514
TestAmerica Houston	Louisiana	NELAj	6	P063P
TestAmerica Houston	Oklahoma	wtate j rogram	6	9P04
TestAmerica Houston	Texas	NELAj	6	T90350322P
TestAmerica Houston	UwDA	Fe8eral		j PP0-93-00942
TestAmerica Houston	Utah	NELAj	7	TX0007P

Accre8itation may not be offere8 or require8 for all metho8s an8 analytes reporte8 in this package. j lease contact your pro/ect manager for the laboratory's current list of certifie8 metho8s an8 analytes.

8260B_LL

Volatile Organic Compounds (GC/MS)
by Method 8260B Low Level

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-100953-1
SDG No.: _____
Matrix: Water Level: Low
GC Column (1): DB-VRX 60 ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
ARTESIA-TB03-10212014	600-100953-1	100	89	116	76
ARTESIA-MW1-10212014	600-100953-2	96	86	124	78
ARTESIA-DUP01-10212014	600-100953-3	95	84	124	75
	MB 600-147732/5	96	84	107	81
	LCS 600-147732/14	96	83	102	76
	600-100927-B-9 MS	100	84	108	79
	600-100927-B-9 MSD	96	83	104	74

DBFM = Dibromofluoromethane
DCA = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene

QC LIMITS
62-130
50-134
70-130
67-139

Column to be used to flag recovery values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-100953-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: A30014.D
 Lab ID: LCS 600-147732/14 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Dichlorodifluoromethane	10.0	4.908	49	10-150	
Chloromethane	10.0	6.538	65	10-150	
Vinyl chloride	10.0	8.257	83	33-150	
Bromomethane	10.0	9.535	95	25-150	
Chloroethane	10.0	8.362	84	47-150	
Trichlorofluoromethane	10.0	11.09	111	43-150	
1,1-Dichloroethene	10.0	11.54	115	58-148	
trans-1,2-Dichloroethene	10.0	10.54	105	68-131	
Methyl tert-butyl ether	10.0	9.566	96	56-132	
Methylene Chloride	10.0	11.30	113	55-147	
cis-1,2-Dichloroethene	10.0	9.726	97	68-130	
2-Butanone (MEK)	20.0	18.25	91	41-141	
Bromochloromethane	10.0	10.64	106	58-130	
Carbon tetrachloride	10.0	11.36	114	70-144	
Benzene	10.0	9.016	90	70-130	
1,2-Dichloroethane	10.0	8.888	89	67-134	
Trichloroethene	10.0	11.22	112	70-130	
1,1,1-Trichloroethane	10.0	11.49	115	70-136	
1,1-Dichloroethane	10.0	8.974	90	70-140	
1,2-Dichloropropane	10.0	8.198	82	70-130	
2,2-Dichloropropane	10.0	11.12	111	64-149	
Dibromomethane	10.0	8.541	85	70-130	
Chloroform	10.0	8.724	87	70-130	
Bromodichloromethane	10.0	9.485	95	70-131	
2-Chloroethyl vinyl ether	20.0	14.75	74	10-150	
1,1-Dichloropropene	10.0	9.409	94	70-137	
cis-1,3-Dichloropropene	10.0	8.347	83	57-130	
Toluene	10.0	9.860	99	70-130	
trans-1,3-Dichloropropene	10.0	8.319	83	60-130	
1,1,2-Trichloroethane	10.0	9.531	95	70-130	
Tetrachloroethene	10.0	9.820	98	47-150	
1,3-Dichloropropane	10.0	9.054	91	70-130	
Chlorodibromomethane	10.0	10.07	101	62-130	
1,2-Dibromoethane	10.0	10.20	102	67-130	
Chlorobenzene	10.0	10.36	104	69-130	
1,1,1,2-Tetrachloroethane	10.0	11.42	114	70-130	
Ethylbenzene	10.0	10.33	103	70-130	
m-Xylene & p-Xylene	10.0	9.941	99	70-130	
Xylenes, Total	20.0	19.92	100	70-130	
o-Xylene	10.0	9.976	100	70-130	
Styrene	10.0	9.465	95	70-130	
Bromoform	10.0	6.469	65	54-133	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-100953-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: A30014.D
 Lab ID: LCS 600-147732/14 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Isopropylbenzene	10.0	7.719	77	65-132	
Bromobenzene	10.0	9.307	93	70-130	
1,2,3-Trichloropropane	10.0	7.417	74	48-136	
1,1,2,2-Tetrachloroethane	10.0	6.245	62	58-133	
N-Propylbenzene	10.0	8.344	83	69-130	
2-Chlorotoluene	10.0	8.420	84	65-130	
4-Chlorotoluene	10.0	7.448	74	70-130	
1,3,5-Trimethylbenzene	10.0	7.930	79	69-130	
tert-Butylbenzene	10.0	8.623	86	70-130	
p-Isopropyltoluene	10.0	8.010	80	70-130	
1,2,4-Trimethylbenzene	10.0	8.075	81	70-130	
sec-Butylbenzene	10.0	8.241	82	68-130	
1,3-Dichlorobenzene	10.0	9.601	96	70-130	
1,4-Dichlorobenzene	10.0	8.489	85	70-130	
1,2-Dichlorobenzene	10.0	9.651	97	70-130	
n-Butylbenzene	10.0	8.005	80	70-130	
1,2-Dibromo-3-Chloropropane	10.0	8.662	87	41-142	
1,2,4-Trichlorobenzene	10.0	12.96	130	46-150	
Hexachlorobutadiene	10.0	12.63	126	55-150	
Naphthalene	10.0	12.92	129	10-150	
1,2,3-Trichlorobenzene	10.0	17.48	175	10-150	*

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-100953-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: A30012.D
Lab ID: 600-100927-B-9 MS Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Dichlorodifluoromethane	10.0	0.120 U	6.037	60	10-150	
Chloromethane	10.0	0.180 U	7.124	71	10-150	
Vinyl chloride	10.0	0.110 U	8.781	88	33-150	
Bromomethane	10.0	0.250 U	10.13	101	25-150	
Chloroethane	10.0	0.0800 U	9.484	95	47-150	
Trichlorofluoromethane	10.0	0.0800 U	11.87	119	43-150	
1,1-Dichloroethene	10.0	13.1	23.31	102	58-148	
trans-1,2-Dichloroethene	10.0	0.0900 U	11.07	111	68-131	
Methyl tert-butyl ether	10.0	0.120 U	10.03	100	56-132	
Methylene Chloride	10.0	0.150 U	9.019	90	55-147	
cis-1,2-Dichloroethene	10.0	0.146 J	10.29	101	68-130	
2-Butanone (MEK)	20.0	0.760 U	16.18	81	41-141	
Bromochloromethane	10.0	0.180 U	10.79	108	58-130	
Carbon tetrachloride	10.0	0.150 U	12.11	121	70-144	
Benzene	10.0	0.0800 U	9.328	93	70-130	
1,2-Dichloroethane	10.0	0.140 U	8.971	90	67-134	
Trichloroethene	10.0	2.66	14.46	118	70-130	
1,1,1-Trichloroethane	10.0	0.150 U	11.98	120	70-136	
1,1-Dichloroethane	10.0	4.06	13.11	91	70-140	
1,2-Dichloropropane	10.0	0.160 U	8.583	86	70-130	
2,2-Dichloropropane	10.0	0.130 U	11.97	120	64-149	
Dibromomethane	10.0	0.520 U	8.613	86	70-130	
Chloroform	10.0	0.130 U	9.306	93	70-130	
Bromodichloromethane	10.0	0.160 U	9.876	99	70-131	
2-Chloroethyl vinyl ether	20.0	0.500 U	1.965 J	10	10-150	
1,1-Dichloropropene	10.0	0.210 U	9.802	98	70-137	
cis-1,3-Dichloropropene	10.0	0.180 U	8.902	89	57-130	
Toluene	10.0	0.150 U	10.72	107	70-130	
trans-1,3-Dichloropropene	10.0	0.210 U	8.144	81	60-130	
1,1,2-Trichloroethane	10.0	0.280 U	10.29	103	70-130	
Tetrachloroethene	10.0	7.52	15.57	80	47-150	
1,3-Dichloropropane	10.0	0.220 U	9.705	97	70-130	
Chlorodibromomethane	10.0	0.150 U	11.25	112	62-130	
1,2-Dibromoethane	10.0	0.180 U	10.32	103	67-130	
Chlorobenzene	10.0	0.120 U	11.01	110	69-130	
1,1,1,2-Tetrachloroethane	10.0	0.180 U	12.64	126	70-130	
Ethylbenzene	10.0	0.110 U	11.20	112	70-130	
m-Xylene & p-Xylene	10.0	0.170 U	10.99	110	70-130	
Xylenes, Total	20.0	0.260 U	21.68	108	70-130	
o-Xylene	10.0	0.120 U	10.69	107	70-130	
Styrene	10.0	0.0700 U	9.511	95	70-130	
Bromoform	10.0	0.190 U	10.13	101	54-133	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-100953-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: A30012.D
 Lab ID: 600-100927-B-9 MS Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Isopropylbenzene	10.0	0.180 U	8.861	89	65-132	
Bromobenzene	10.0	0.190 U	9.884	99	70-130	
1,2,3-Trichloropropane	10.0	0.290 U	7.998	80	48-136	
1,1,2,2-Tetrachloroethane	10.0	0.220 U	7.488	75	58-133	
N-Propylbenzene	10.0	0.150 U	9.691	97	69-130	
2-Chlorotoluene	10.0	0.130 U	9.182	92	70-130	
4-Chlorotoluene	10.0	0.140 U	8.284	83	70-130	
1,3,5-Trimethylbenzene	10.0	0.100 U	9.216	92	69-130	
tert-Butylbenzene	10.0	0.0800 U	9.546	95	70-130	
p-Isopropyltoluene	10.0	0.100 U	8.547	85	70-130	
1,2,4-Trimethylbenzene	10.0	0.140 U	16.10	161	70-130	F1
sec-Butylbenzene	10.0	0.120 U	9.038	90	68-130	
1,3-Dichlorobenzene	10.0	0.130 U	9.911	99	70-130	
1,4-Dichlorobenzene	10.0	0.110 U	8.840	88	70-130	
1,2-Dichlorobenzene	10.0	0.100 U	10.69	107	70-130	
n-Butylbenzene	10.0	0.160 U	8.820	88	70-130	
1,2-Dibromo-3-Chloropropane	10.0	0.810 U	8.766	88	41-142	
1,2,4-Trichlorobenzene	10.0	0.310 U	12.89	129	46-150	
Hexachlorobutadiene	10.0	0.170 U	12.91	129	55-150	
Naphthalene	10.0	0.320 U	28.56	286	10-150	F1
1,2,3-Trichlorobenzene	10.0	0.570 U	11.70	117	10-150	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-100953-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: A30013.D
 Lab ID: 600-100927-B-9 MSD Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Dichlorodifluoromethane	10.0	6.569	66	8	30	10-150	
Chloromethane	10.0	8.069	81	12	30	10-150	
Vinyl chloride	10.0	9.561	96	9	30	33-150	
Bromomethane	10.0	11.18	112	10	30	25-150	
Chloroethane	10.0	10.45	104	10	30	47-150	
Trichlorofluoromethane	10.0	13.26	133	11	30	43-150	
1,1-Dichloroethene	10.0	24.51	114	5	30	58-148	
trans-1,2-Dichloroethene	10.0	11.28	113	2	30	68-131	
Methyl tert-butyl ether	10.0	10.22	102	2	30	56-132	
Methylene Chloride	10.0	9.133	91	1	30	55-147	
cis-1,2-Dichloroethene	10.0	10.13	100	2	30	68-130	
2-Butanone (MEK)	20.0	17.93	90	10	30	41-141	
Bromochloromethane	10.0	11.23	112	4	30	58-130	
Carbon tetrachloride	10.0	12.54	125	3	30	70-144	
Benzene	10.0	9.556	96	2	30	70-130	
1,2-Dichloroethane	10.0	9.292	93	4	30	67-134	
Trichloroethene	10.0	15.00	123	4	30	70-130	
1,1,1-Trichloroethane	10.0	12.36	124	3	30	70-136	
1,1-Dichloroethane	10.0	13.27	92	1	30	70-140	
1,2-Dichloropropane	10.0	9.011	90	5	30	70-130	
2,2-Dichloropropane	10.0	12.27	123	2	30	64-149	
Dibromomethane	10.0	8.988	90	4	30	70-130	
Chloroform	10.0	9.184	92	1	30	70-130	
Bromodichloromethane	10.0	9.900	99	0	30	70-131	
2-Chloroethyl vinyl ether	20.0	1.881 J	9	4	30	10-150	F1
1,1-Dichloropropene	10.0	10.24	102	4	30	70-137	
cis-1,3-Dichloropropene	10.0	8.807	88	1	30	57-130	
Toluene	10.0	10.72	107	0	30	70-130	
trans-1,3-Dichloropropene	10.0	8.818	88	8	30	60-130	
1,1,2-Trichloroethane	10.0	10.55	106	3	30	70-130	
Tetrachloroethene	10.0	16.71	92	7	30	47-150	
1,3-Dichloropropane	10.0	9.745	97	0	30	70-130	
Chlorodibromomethane	10.0	11.46	115	2	30	62-130	
1,2-Dibromoethane	10.0	10.55	106	2	30	67-130	
Chlorobenzene	10.0	10.97	110	0	30	69-130	
1,1,1,2-Tetrachloroethane	10.0	12.67	127	0	30	70-130	
Ethylbenzene	10.0	11.29	113	1	30	70-130	
m-Xylene & p-Xylene	10.0	10.78	108	2	30	70-130	
Xylenes, Total	20.0	21.49	107	1	30	70-130	
o-Xylene	10.0	10.71	107	0	30	70-130	
Styrene	10.0	9.526	95	0	30	70-130	
Bromoform	10.0	10.35	104	2	30	54-133	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-100953-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: A30013.D
 Lab ID: 600-100927-B-9 MSD Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Isopropylbenzene	10.0	8.592	86	3	30	65-132	
Bromobenzene	10.0	10.08	101	2	30	70-130	
1,2,3-Trichloropropane	10.0	8.295	83	4	30	48-136	
1,1,2,2-Tetrachloroethane	10.0	7.610	76	2	30	58-133	
N-Propylbenzene	10.0	9.178	92	5	30	69-130	
2-Chlorotoluene	10.0	9.167	92	0	30	70-130	
4-Chlorotoluene	10.0	8.095	81	2	30	70-130	
1,3,5-Trimethylbenzene	10.0	8.522	85	8	30	69-130	
tert-Butylbenzene	10.0	9.578	96	0	30	70-130	
p-Isopropyltoluene	10.0	8.634	86	1	30	70-130	
1,2,4-Trimethylbenzene	10.0	9.056	91	56	30	70-130	F2
sec-Butylbenzene	10.0	9.039	90	0	30	68-130	
1,3-Dichlorobenzene	10.0	10.37	104	5	30	70-130	
1,4-Dichlorobenzene	10.0	9.236	92	4	30	70-130	
1,2-Dichlorobenzene	10.0	10.81	108	1	30	70-130	
n-Butylbenzene	10.0	8.884	89	1	30	70-130	
1,2-Dibromo-3-Chloropropane	10.0	9.876	99	12	30	41-142	
1,2,4-Trichlorobenzene	10.0	13.76	138	7	30	46-150	
Hexachlorobutadiene	10.0	13.56	136	5	30	55-150	
Naphthalene	10.0	15.73	157	58	30	10-150	F1 F2
1,2,3-Trichlorobenzene	10.0	15.88	159	30	30	10-150	F1

Column to be used to flag recovery and RPD values

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-100953-1
SDG No.: _____
Lab File ID: A30004.D Lab Sample ID: MB 600-147732/5
Matrix: Water Heated Purge: (Y/N) N
Instrument ID: CHVOAMS07 Date Analyzed: 10/27/2014 11:59
GC Column: DB-VRX 60 ID: 0.25 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	600-100927-B-9 MS	A30012.D	10/27/2014 15:20
	600-100927-B-9 MSD	A30013.D	10/27/2014 15:48
	LCS 600-147732/14	A30014.D	10/27/2014 16:17
ARTESIA-TB03-10212014	600-100953-1	A30020.D	10/27/2014 19:08
ARTESIA-MW1-10212014	600-100953-2	A30021.D	10/27/2014 19:36
ARTESIA-DUP01-10212014	600-100953-3	A30022.D	10/27/2014 20:05

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Houston Job No.: 600-100953-1
 SDG No.: _____
 Lab File ID: A28300.D BFB Injection Date: 10/10/2014
 Instrument ID: CHVOAMS07 BFB Injection Time: 12:17
 Analysis Batch No.: 146352

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	22.2
75	30.0 - 60.0 % of mass 95	54.4
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	7.7
173	Less than 2.0 % of mass 174	0.0 (0.0)1
174	50.0 - 120.00 % of mass 95	91.7
175	5.0 - 9.0 % of mass 174	7.6 (8.3)1
176	95.0 - 101.0 % of mass 174	88.9 (97.0)1
177	5.0 - 9.0 % of mass 176	5.4 (6.0)2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 600-146352/2	A28301.D	10/10/2014	12:45
	IC 600-146352/3	A28302A.D	10/10/2014	13:51
	IC 600-146352/4	A28303.D	10/10/2014	14:19
	IC 600-146352/5	A28304.D	10/10/2014	14:48
	ICIS 600-146352/6	A28305.D	10/10/2014	15:16
	IC 600-146352/7	A28306.D	10/10/2014	15:45
	IC 600-146352/8	A28307.D	10/10/2014	16:13

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Houston Job No.: 600-100953-1
 SDG No.: _____
 Lab File ID: A30000.D BFB Injection Date: 10/27/2014
 Instrument ID: CHVOAMS07 BFB Injection Time: 09:34
 Analysis Batch No.: 147732

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	15.5
75	30.0 - 60.0 % of mass 95	43.5
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.9
173	Less than 2.0 % of mass 174	0.4 (0.4)1
174	50.0 - 120.00 % of mass 95	100.2
175	5.0 - 9.0 % of mass 174	8.6 (8.6)1
176	95.0 - 101.0 % of mass 174	100.8 (100.6)1
177	5.0 - 9.0 % of mass 176	6.8 (6.7)2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 600-147732/2	A30001.D	10/27/2014	10:05
	MB 600-147732/5	A30004.D	10/27/2014	11:59
	600-100927-B-9 MS	A30012.D	10/27/2014	15:20
	600-100927-B-9 MSD	A30013.D	10/27/2014	15:48
	LCS 600-147732/14	A30014.D	10/27/2014	16:17
ARTESIA-TB03-10212014	600-100953-1	A30020.D	10/27/2014	19:08
ARTESIA-MW1-10212014	600-100953-2	A30021.D	10/27/2014	19:36
ARTESIA-DUP01-10212014	600-100953-3	A30022.D	10/27/2014	20:05

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-100953-1
 SDG No.: _____
 Sample No.: CCVIS 600-147732/2 Date Analyzed: 10/27/2014 10:05
 Instrument ID: CHVOAMS07 GC Column: DB-VRX 60 ID: 0.25 (mm)
 Lab File ID (Standard): A30001.D Heated Purge: (Y/N) N
 Calibration ID: 4635

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		563467	8.70	143134	11.73	153182	14.31
UPPER LIMIT		1126934	9.20	286268	12.23	306364	14.81
LOWER LIMIT		281734	8.20	71567	11.23	76591	13.81
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 600-147732/5		422864	8.70	98198	11.73	118699	14.31
600-100927-B-9 MS		640895	8.70	159611	11.73	180381	14.31
600-100927-B-9 MSD		657937	8.70	165688	11.73	188304	14.31
LCS 600-147732/14		638640	8.70	165789	11.73	194442	14.31
600-100953-1	ARTESIA-TB03-10212014	452820	8.70	103858	11.73	155186	14.31
600-100953-2	ARTESIA-MW1-10212014	484133	8.70	106045	11.73	147258	14.31
600-100953-3	ARTESIA-DUP01-10212014	514181	8.70	114584	11.73	165228	14.31

FB = Fluorobenzene

CBZ = Chlorobenzene-d5

DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area

RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-100953-1

SDG No.: _____

Client Sample ID: ARTESIA-TB03-10212014 Lab Sample ID: 600-100953-1

Matrix: Water Lab File ID: A30020.D

Analysis Method: 8260B Date Collected: 10/21/2014 08:00

Sample wt/vol: 20 (mL) Date Analyzed: 10/27/2014 19:08

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 147732 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	0.120	U	1.00	0.120
74-87-3	Chloromethane	0.180	U	2.00	0.180
75-01-4	Vinyl chloride	0.110	U	2.00	0.110
74-83-9	Bromomethane	0.250	U	2.00	0.250
75-00-3	Chloroethane	0.0800	U	2.00	0.0800
75-69-4	Trichlorofluoromethane	0.0800	U	1.00	0.0800
75-35-4	1,1-Dichloroethene	0.190	U	1.00	0.190
156-60-5	trans-1,2-Dichloroethene	0.0900	U	1.00	0.0900
1634-04-4	Methyl tert-butyl ether	0.120	U	1.00	0.120
75-09-2	Methylene Chloride	0.150	U	5.00	0.150
156-59-2	cis-1,2-Dichloroethene	0.0600	U	1.00	0.0600
78-93-3	2-Butanone (MEK)	0.760	U	2.00	0.760
74-97-5	Bromochloromethane	0.180	U	1.00	0.180
56-23-5	Carbon tetrachloride	0.150	U	1.00	0.150
71-43-2	Benzene	0.0800	U	1.00	0.0800
107-06-2	1,2-Dichloroethane	0.140	U	1.00	0.140
79-01-6	Trichloroethene	0.180	U	1.00	0.180
71-55-6	1,1,1-Trichloroethane	0.150	U	1.00	0.150
75-34-3	1,1-Dichloroethane	0.110	U	1.00	0.110
78-87-5	1,2-Dichloropropane	0.160	U	1.00	0.160
594-20-7	2,2-Dichloropropane	0.130	U	1.00	0.130
74-95-3	Dibromomethane	0.520	U	1.00	0.520
67-66-3	Chloroform	0.130	U	1.00	0.130
75-27-4	Bromodichloromethane	0.160	U	1.00	0.160
110-75-8	2-Chloroethyl vinyl ether	0.500	U	2.00	0.500
563-58-6	1,1-Dichloropropene	0.210	U	1.00	0.210
10061-01-5	cis-1,3-Dichloropropene	0.180	U	1.00	0.180
108-88-3	Toluene	0.150	U	1.00	0.150
10061-02-6	trans-1,3-Dichloropropene	0.210	U	1.00	0.210
79-00-5	1,1,2-Trichloroethane	0.280	U	1.00	0.280
127-18-4	Tetrachloroethene	0.130	U	1.00	0.130
142-28-9	1,3-Dichloropropane	0.220	U	1.00	0.220
124-48-1	Chlorodibromomethane	0.150	U	1.00	0.150
106-93-4	1,2-Dibromoethane	0.180	U	1.00	0.180
108-90-7	Chlorobenzene	0.120	U	1.00	0.120
630-20-6	1,1,1,2-Tetrachloroethane	0.180	U	1.00	0.180

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-100953-1

SDG No.: _____

Client Sample ID: ARTESIA-TB03-10212014 Lab Sample ID: 600-100953-1

Matrix: Water Lab File ID: A30020.D

Analysis Method: 8260B Date Collected: 10/21/2014 08:00

Sample wt/vol: 20 (mL) Date Analyzed: 10/27/2014 19:08

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 147732 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	0.416	J	1.00	0.110
179601-23-1	m-Xylene & p-Xylene	0.170	U	1.00	0.170
1330-20-7	Xylenes, Total	0.662	J	1.00	0.260
95-47-6	o-Xylene	0.662	J	1.00	0.120
100-42-5	Styrene	0.0700	U	1.00	0.0700
75-25-2	Bromoform	0.190	U	1.00	0.190
98-82-8	Isopropylbenzene	0.180	U	1.00	0.180
108-86-1	Bromobenzene	0.190	U	1.00	0.190
96-18-4	1,2,3-Trichloropropane	0.290	U	1.00	0.290
79-34-5	1,1,2,2-Tetrachloroethane	0.220	U	1.00	0.220
103-65-1	N-Propylbenzene	0.150	U	1.00	0.150
95-49-8	2-Chlorotoluene	0.130	U	1.00	0.130
106-43-4	4-Chlorotoluene	0.140	U	1.00	0.140
108-67-8	1,3,5-Trimethylbenzene	0.100	U	1.00	0.100
98-06-6	tert-Butylbenzene	0.0800	U	1.00	0.0800
99-87-6	p-Isopropyltoluene	0.100	U	1.00	0.100
95-63-6	1,2,4-Trimethylbenzene	0.140	U	1.00	0.140
135-98-8	sec-Butylbenzene	0.120	U	1.00	0.120
541-73-1	1,3-Dichlorobenzene	0.130	U	1.00	0.130
106-46-7	1,4-Dichlorobenzene	0.110	U	1.00	0.110
95-50-1	1,2-Dichlorobenzene	0.100	U	1.00	0.100
104-51-8	n-Butylbenzene	0.160	U	1.00	0.160
96-12-8	1,2-Dibromo-3-Chloropropane	0.810	U	1.00	0.810
120-82-1	1,2,4-Trichlorobenzene	0.310	U	1.00	0.310
87-68-3	Hexachlorobutadiene	0.170	U	1.00	0.170
91-20-3	Naphthalene	0.320	U	2.00	0.320
87-61-6	1,2,3-Trichlorobenzene	0.570	U *	1.00	0.570

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	76		67-139
1868-53-7	Dibromofluoromethane	100		62-130
2037-26-5	Toluene-d8 (Surr)	116		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	89		50-134

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-100953-1

SDG No.: _____

Client Sample ID: ARTESIA-MW1-10212014 Lab Sample ID: 600-100953-2

Matrix: Water Lab File ID: A30021.D

Analysis Method: 8260B Date Collected: 10/21/2014 09:45

Sample wt/vol: 20 (mL) Date Analyzed: 10/27/2014 19:36

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 147732 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	0.120	U	1.00	0.120
74-87-3	Chloromethane	0.180	U	2.00	0.180
75-01-4	Vinyl chloride	0.110	U	2.00	0.110
74-83-9	Bromomethane	0.250	U	2.00	0.250
75-00-3	Chloroethane	0.0800	U	2.00	0.0800
75-69-4	Trichlorofluoromethane	0.0800	U	1.00	0.0800
75-35-4	1,1-Dichloroethene	0.190	U	1.00	0.190
156-60-5	trans-1,2-Dichloroethene	0.0900	U	1.00	0.0900
1634-04-4	Methyl tert-butyl ether	0.120	U	1.00	0.120
75-09-2	Methylene Chloride	0.150	U	5.00	0.150
156-59-2	cis-1,2-Dichloroethene	0.0600	U	1.00	0.0600
78-93-3	2-Butanone (MEK)	0.760	U	2.00	0.760
74-97-5	Bromochloromethane	0.180	U	1.00	0.180
56-23-5	Carbon tetrachloride	0.150	U	1.00	0.150
71-43-2	Benzene	0.0800	U	1.00	0.0800
107-06-2	1,2-Dichloroethane	0.140	U	1.00	0.140
79-01-6	Trichloroethene	0.180	U	1.00	0.180
71-55-6	1,1,1-Trichloroethane	0.150	U	1.00	0.150
75-34-3	1,1-Dichloroethane	0.110	U	1.00	0.110
78-87-5	1,2-Dichloropropane	0.160	U	1.00	0.160
594-20-7	2,2-Dichloropropane	0.130	U	1.00	0.130
74-95-3	Dibromomethane	0.520	U	1.00	0.520
67-66-3	Chloroform	0.130	U	1.00	0.130
75-27-4	Bromodichloromethane	0.160	U	1.00	0.160
110-75-8	2-Chloroethyl vinyl ether	0.500	U	2.00	0.500
563-58-6	1,1-Dichloropropene	0.210	U	1.00	0.210
10061-01-5	cis-1,3-Dichloropropene	0.180	U	1.00	0.180
108-88-3	Toluene	0.150	U	1.00	0.150
10061-02-6	trans-1,3-Dichloropropene	0.210	U	1.00	0.210
79-00-5	1,1,2-Trichloroethane	0.280	U	1.00	0.280
127-18-4	Tetrachloroethene	0.130	U	1.00	0.130
142-28-9	1,3-Dichloropropane	0.220	U	1.00	0.220
124-48-1	Chlorodibromomethane	0.150	U	1.00	0.150
106-93-4	1,2-Dibromoethane	0.180	U	1.00	0.180
108-90-7	Chlorobenzene	0.120	U	1.00	0.120
630-20-6	1,1,1,2-Tetrachloroethane	0.180	U	1.00	0.180

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Houston</u>	Job No.: <u>600-100953-1</u>
SDG No.: _____	
Client Sample ID: <u>ARTESIA-MW1-10212014</u>	Lab Sample ID: <u>600-100953-2</u>
Matrix: <u>Water</u>	Lab File ID: <u>A30021.D</u>
Analysis Method: <u>8260B</u>	Date Collected: <u>10/21/2014 09:45</u>
Sample wt/vol: <u>20 (mL)</u>	Date Analyzed: <u>10/27/2014 19:36</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-VRX 60</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>147732</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	0.110	U	1.00	0.110
179601-23-1	m-Xylene & p-Xylene	0.170	U	1.00	0.170
1330-20-7	Xylenes, Total	0.260	U	1.00	0.260
95-47-6	o-Xylene	0.120	U	1.00	0.120
100-42-5	Styrene	0.0700	U	1.00	0.0700
75-25-2	Bromoform	0.190	U	1.00	0.190
98-82-8	Isopropylbenzene	0.180	U	1.00	0.180
108-86-1	Bromobenzene	0.190	U	1.00	0.190
96-18-4	1,2,3-Trichloropropane	0.290	U	1.00	0.290
79-34-5	1,1,2,2-Tetrachloroethane	0.220	U	1.00	0.220
103-65-1	N-Propylbenzene	0.150	U	1.00	0.150
95-49-8	2-Chlorotoluene	0.130	U	1.00	0.130
106-43-4	4-Chlorotoluene	0.140	U	1.00	0.140
108-67-8	1,3,5-Trimethylbenzene	0.100	U	1.00	0.100
98-06-6	tert-Butylbenzene	0.0800	U	1.00	0.0800
99-87-6	p-Isopropyltoluene	0.100	U	1.00	0.100
95-63-6	1,2,4-Trimethylbenzene	0.140	U	1.00	0.140
135-98-8	sec-Butylbenzene	0.523	J	1.00	0.120
541-73-1	1,3-Dichlorobenzene	0.130	U	1.00	0.130
106-46-7	1,4-Dichlorobenzene	0.110	U	1.00	0.110
95-50-1	1,2-Dichlorobenzene	0.100	U	1.00	0.100
104-51-8	n-Butylbenzene	0.160	U	1.00	0.160
96-12-8	1,2-Dibromo-3-Chloropropane	0.810	U	1.00	0.810
120-82-1	1,2,4-Trichlorobenzene	0.310	U	1.00	0.310
87-68-3	Hexachlorobutadiene	0.170	U	1.00	0.170
91-20-3	Naphthalene	0.320	U	2.00	0.320
87-61-6	1,2,3-Trichlorobenzene	0.570	U *	1.00	0.570

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	78		67-139
1868-53-7	Dibromofluoromethane	96		62-130
2037-26-5	Toluene-d8 (Surr)	124		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	86		50-134

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-100953-1

SDG No.: _____

Client Sample ID: ARTESIA-DUP01-10212014 Lab Sample ID: 600-100953-3

Matrix: Water Lab File ID: A30022.D

Analysis Method: 8260B Date Collected: 10/21/2014 12:00

Sample wt/vol: 20 (mL) Date Analyzed: 10/27/2014 20:05

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 147732 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	0.120	U	1.00	0.120
74-87-3	Chloromethane	0.180	U	2.00	0.180
75-01-4	Vinyl chloride	0.110	U	2.00	0.110
74-83-9	Bromomethane	0.250	U	2.00	0.250
75-00-3	Chloroethane	0.0800	U	2.00	0.0800
75-69-4	Trichlorofluoromethane	0.0800	U	1.00	0.0800
75-35-4	1,1-Dichloroethene	0.190	U	1.00	0.190
156-60-5	trans-1,2-Dichloroethene	0.0900	U	1.00	0.0900
1634-04-4	Methyl tert-butyl ether	0.120	U	1.00	0.120
75-09-2	Methylene Chloride	0.150	U	5.00	0.150
156-59-2	cis-1,2-Dichloroethene	0.0600	U	1.00	0.0600
78-93-3	2-Butanone (MEK)	0.760	U	2.00	0.760
74-97-5	Bromochloromethane	0.180	U	1.00	0.180
56-23-5	Carbon tetrachloride	0.150	U	1.00	0.150
71-43-2	Benzene	0.0800	U	1.00	0.0800
107-06-2	1,2-Dichloroethane	0.140	U	1.00	0.140
79-01-6	Trichloroethene	0.180	U	1.00	0.180
71-55-6	1,1,1-Trichloroethane	0.150	U	1.00	0.150
75-34-3	1,1-Dichloroethane	0.110	U	1.00	0.110
78-87-5	1,2-Dichloropropane	0.160	U	1.00	0.160
594-20-7	2,2-Dichloropropane	0.130	U	1.00	0.130
74-95-3	Dibromomethane	0.520	U	1.00	0.520
67-66-3	Chloroform	0.130	U	1.00	0.130
75-27-4	Bromodichloromethane	0.160	U	1.00	0.160
110-75-8	2-Chloroethyl vinyl ether	0.500	U	2.00	0.500
563-58-6	1,1-Dichloropropene	0.210	U	1.00	0.210
10061-01-5	cis-1,3-Dichloropropene	0.180	U	1.00	0.180
108-88-3	Toluene	0.150	U	1.00	0.150
10061-02-6	trans-1,3-Dichloropropene	0.210	U	1.00	0.210
79-00-5	1,1,2-Trichloroethane	0.280	U	1.00	0.280
127-18-4	Tetrachloroethene	0.130	U	1.00	0.130
142-28-9	1,3-Dichloropropane	0.220	U	1.00	0.220
124-48-1	Chlorodibromomethane	0.150	U	1.00	0.150
106-93-4	1,2-Dibromoethane	0.180	U	1.00	0.180
108-90-7	Chlorobenzene	0.120	U	1.00	0.120
630-20-6	1,1,1,2-Tetrachloroethane	0.180	U	1.00	0.180

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-100953-1

SDG No.: _____

Client Sample ID: ARTESIA-DUP01-10212014 Lab Sample ID: 600-100953-3

Matrix: Water Lab File ID: A30022.D

Analysis Method: 8260B Date Collected: 10/21/2014 12:00

Sample wt/vol: 20 (mL) Date Analyzed: 10/27/2014 20:05

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 147732 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	0.404	J	1.00	0.110
179601-23-1	m-Xylene & p-Xylene	0.170	U	1.00	0.170
1330-20-7	Xylenes, Total	0.260	U	1.00	0.260
95-47-6	o-Xylene	0.120	U	1.00	0.120
100-42-5	Styrene	0.0700	U	1.00	0.0700
75-25-2	Bromoform	0.190	U	1.00	0.190
98-82-8	Isopropylbenzene	0.180	U	1.00	0.180
108-86-1	Bromobenzene	0.190	U	1.00	0.190
96-18-4	1,2,3-Trichloropropane	0.290	U	1.00	0.290
79-34-5	1,1,2,2-Tetrachloroethane	0.220	U	1.00	0.220
103-65-1	N-Propylbenzene	0.150	U	1.00	0.150
95-49-8	2-Chlorotoluene	0.130	U	1.00	0.130
106-43-4	4-Chlorotoluene	0.140	U	1.00	0.140
108-67-8	1,3,5-Trimethylbenzene	0.100	U	1.00	0.100
98-06-6	tert-Butylbenzene	0.0800	U	1.00	0.0800
99-87-6	p-Isopropyltoluene	0.100	U	1.00	0.100
95-63-6	1,2,4-Trimethylbenzene	0.140	U	1.00	0.140
135-98-8	sec-Butylbenzene	0.570	J	1.00	0.120
541-73-1	1,3-Dichlorobenzene	0.130	U	1.00	0.130
106-46-7	1,4-Dichlorobenzene	0.110	U	1.00	0.110
95-50-1	1,2-Dichlorobenzene	0.100	U	1.00	0.100
104-51-8	n-Butylbenzene	0.160	U	1.00	0.160
96-12-8	1,2-Dibromo-3-Chloropropane	0.810	U	1.00	0.810
120-82-1	1,2,4-Trichlorobenzene	0.310	U	1.00	0.310
87-68-3	Hexachlorobutadiene	0.170	U	1.00	0.170
91-20-3	Naphthalene	0.320	U	2.00	0.320
87-61-6	1,2,3-Trichlorobenzene	0.570	U *	1.00	0.570

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	75		67-139
1868-53-7	Dibromofluoromethane	95		62-130
2037-26-5	Toluene-d8 (Surr)	124		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	84		50-134

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Houston Job No.: 600-100953-1 Analy Batch No.: 146352

SDG No.: _____

Instrument ID: CHVOAMS07 GC Column: DB-VRX 60 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/10/2014 12:45 Calibration End Date: 10/10/2014 16:13 Calibration ID: 4635

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 600-146352/2	A28301.D
Level 2	IC 600-146352/3	A28302A.D
Level 3	IC 600-146352/4	A28303.D
Level 4	IC 600-146352/5	A28304.D
Level 5	ICIS 600-146352/6	A28305.D
Level 6	IC 600-146352/7	A28306.D
Level 7	IC 600-146352/8	A28307.D

ANALYTE	RRF						CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5			B	M1	M2								
Dichlorodifluoromethane	++++ 0.1249	0.1996 0.1104	0.1596	0.1505	0.1317		Lin2	0.0804	0.1211							0.9930		0.9900
Chloromethane	++++ 0.1838	0.2638 0.1682	0.2206	0.2182	0.1950		Lin2	0.0838	0.1822			0.1000				0.9940		0.9900
Vinyl chloride	++++ 0.2582	0.3143 0.2064	0.3080	0.2988	0.2763		Ave		0.2770				15.0		15.0			
Butadiene	++++ 0.2672	0.3220 0.2503	0.3228	0.2981	0.2812		Ave		0.2903				10.0		15.0			
Bromomethane	++++ 0.1391	0.1359 0.1478	0.1386	0.1417	0.1178		Ave		0.1368				7.4		15.0			
Ethanol	++++ 0.0010	0.0006 0.0011	0.0008	0.0007	0.0009		Lin1	-0.039	0.0011							0.9900		0.9900
Chloroethane	++++ 0.1434	0.1505 0.1431	0.1355	0.1370	0.1320		Ave		0.1403				4.8		15.0			
Dichlorofluoromethane	++++ 0.4174	0.3795 0.4148	0.4142	0.3974	0.3737		Ave		0.3995				4.8		15.0			
Acetonitrile	++++ 0.0079	0.0068 0.0092	0.0051	0.0061	0.0066		Lin	-0.151	0.0094							0.9960		0.9900
Acrolein	++++ 0.0133	0.0086 0.0169	0.0074	0.0107	0.0119		Lin	-0.172	0.0172							0.9930		0.9900
Trichlorofluoromethane	++++ 0.3581	0.3791 0.3704	0.3461	0.3350	0.3276		Ave		0.3527				5.7		15.0			
Isopropyl alcohol	++++ 0.0061	0.0053 0.0075	0.0038	0.0035	0.0052		Lin	-0.157	0.0077							0.9940		0.9900
Acetone	++++ 0.0370	0.0216 0.0397	0.0268	0.0250	0.0363		Lin1	-0.052	0.0391							0.9950		0.9900
Ethyl ether	++++ 0.2092	0.1616 0.2386	0.1532	0.1836	0.1975		Lin1	-0.126	0.2299							0.9940		0.9900

Note: The ml coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Houston Job No.: 600-100953-1 Analy Batch No.: 146352

SDG No.: _____

Instrument ID: CHVOAMS07 GC Column: DB-VRX 60 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/10/2014 12:45 Calibration End Date: 10/10/2014 16:13 Calibration ID: 4635

ANALYTE	LVL			RRF			CURVE TYPE		COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7		LVL 3	LVL 4	LVL 5	TYPE		B	M1	M2								
t-Butanol	++++ 0.0102	0.0062 0.0130		0.0074	0.0077	0.0097	Lin		-0.250	0.0132							0.9930		0.9900
1,1-Dichloroethene	++++ 0.2487	0.1887 0.2868		0.2196	0.2211	0.2444	Ave			0.2349				14.0		15.0			
Acrylonitrile	++++ 0.0407	0.0247 0.0461		0.0272	0.0340	0.0374	Lin1		-0.308	0.0446							0.9950		0.9900
Iodomethane	++++ 0.4762	0.3865 0.5355		0.4158	0.4632	0.4631	Ave			0.4567				11.0		15.0			
Methylene Chloride	++++ 0.3196	0.5727 0.3523		0.4214	0.3607	0.3315	Lin2		0.2455	0.3165							0.9950		0.9900
Methyl acetate	++++ 0.1304	0.0901 0.1451		0.1083	0.1146	0.1241	Lin2		-0.230	0.1331							0.9950		0.9900
1,1,2-Trichloro-1,2,2-trifluoroethane	++++ 0.1411	0.1857 0.1535		0.1405	0.1483	0.1402	Ave			0.1515				12.0		15.0			
3-Chloro-1-propene	++++ 0.1544	0.1117 0.1774		0.1229	0.1421	0.1458	Lin2		-0.054	0.1592							0.9930		0.9900
Carbon disulfide	++++ 0.6363	0.5613 0.6924		0.5782	0.6044	0.6363	Ave			0.6181				7.7		15.0			
trans-1,2-Dichloroethene	++++ 0.3278	0.2766 0.3791		0.2830	0.2994	0.3036	Ave			0.3116				12.0		15.0			
Methyl tert-butyl ether	++++ 0.5417	0.3184 0.6210		0.3831	0.4439	0.5145	Lin1		-0.417	0.6004							0.9950		0.9900
Propionitrile	++++ 0.0147	0.0092 0.0173		0.0110	0.0119	0.0136	Lin1		-0.116	0.0165							0.9920		0.9900
1,1-Dichloroethane	++++ 0.6015	0.5306 0.6515		0.5838	0.5661	0.5952	Ave			0.5881			0.1000	6.8		15.0			
Vinyl acetate	++++ 0.2854	0.1341 0.2841		0.1780	0.2176	0.2594	Lin2		-0.308	0.2744							0.9930		0.9900
2-Chloro-1,3-butadiene	++++ 0.5174	0.2774 0.6000		0.3488	0.4307	0.4958	Lin2		-0.287	0.5345							0.9900		0.9900
Hexane	++++ 0.4127	0.2654 0.4598		0.3379	0.3812	0.4157	Lin2		-0.175	0.4335							0.9980		0.9900
Isopropyl ether	++++ 1.2176	0.8442 1.3272		1.0221	1.1014	1.2164	Ave			1.1215				15.0		15.0			
2-Butanone (MEK)	++++ 0.0210	0.0081 0.0250		0.0196	0.0167	0.0185	Lin		-0.082	0.0254							0.9960		0.9900
Methacrylonitrile	++++ 0.0232	0.0142 0.0256		0.0175	0.0190	0.0212	Lin2		-0.099	0.0232							0.9920		0.9900
cis-1,2-Dichloroethene	++++ 0.3620	0.3374 0.4165		0.3450	0.3491	0.3634	Ave			0.3622				7.8		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Houston Job No.: 600-100953-1 Analy Batch No.: 146352

SDG No.: _____

Instrument ID: CHVOAMS07 GC Column: DB-VRX 60 ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 10/10/2014 12:45 Calibration End Date: 10/10/2014 16:13 Calibration ID: 4635

ANALYTE	LVL 1		LVL 2		RRF			CURVE TYPE			COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 6	LVL 7	LVL 4	LVL 5	LVL 3	LVL 4	LVL 5	TYPE			B	M1	M2								
Ethyl acetate	++++ 0.1488	0.0665 0.1645	0.1216	0.1347	0.0971	0.1216	0.1347	Lin2			-0.180	0.1503							0.9930		0.9900
Bromochloromethane	++++ 0.1456	0.1421 0.1704	0.1414	0.1395	0.1568	0.1414	0.1395	Ave				0.1493				8.1		15.0			
Chloroform	++++ 0.6391	0.6212 0.7140	0.5993	0.6255	0.5831	0.5993	0.6255	Ave				0.6304				7.2		15.0			
Tert-butyl ethyl ether	++++ 0.8269	0.5163 0.9339	0.6809	0.7978	0.5942	0.6809	0.7978	Lin2			-0.370	0.8403							0.9900		0.9900
Isobutyl alcohol	++++ 0.0103	0.0051 0.0115	0.0054	0.0095	0.0037	0.0054	0.0095	Lin			-0.522	0.0118							0.9980		0.9900
2,2-Dichloropropane	++++ 0.2194	0.1932 0.2180	0.2009	0.2335	0.2201	0.2009	0.2335	Ave				0.2142				6.8		15.0			
Tetrahydrofuran	++++ 0.0401	0.0222 0.0464	0.0361	0.0395	0.0333	0.0361	0.0395	Lin2			-0.041	0.0427							0.9950		0.9900
1,2-Dichloroethane	++++ 0.2871	0.2658 0.3062	0.2849	0.2871	0.2803	0.2849	0.2871	Ave				0.2852				4.6		15.0			
n-Butanol				0.0014			0.0014	Lin			-0.602	0.0033							0.9910		0.9900
1,1,1-Trichloroethane	++++ 0.3954	0.3456 0.4295	0.3833	0.4067	0.3519	0.3833	0.4067	Ave				0.3854				8.4		15.0			
1,1-Dichloropropene	++++ 0.4274	0.2694 0.4888	0.3749	0.4214	0.2955	0.3749	0.4214	Lin2			-0.200	0.4420							0.9900		0.9900
Cyclohexane	++++ 0.3579	0.2489 0.3974	0.3503	0.3751	0.3058	0.3503	0.3751	Lin2			-0.138	0.3821							0.9980		0.9900
Carbon tetrachloride	++++ 0.4035	0.3501 0.4849	0.3634	0.4021	0.3191	0.3634	0.4021	Ave				0.3872				15.0		15.0			
Benzene	++++ 1.3491	1.2237 1.5033	1.2944	1.3070	1.2333	1.2944	1.3070	Ave				1.3184				7.7		15.0			
2-Nitropropane	++++ 0.1059	0.0632 0.1151	0.0845	0.1026	0.0836	0.0845	0.1026	Lin2			-0.092	0.1069							0.9930		0.9900
Tert-amyl methyl ether	++++ 0.5585	0.3249 0.6625	0.4535	0.5540	0.3836	0.4535	0.5540	Lin1			-0.472	0.6367							0.9930		0.9900
Ethyl acrylate	++++ 0.1437	0.1578 0.1910	0.1021	0.1165	0.1482	0.1021	0.1165	Qua			0.0188	0.1051	0.0017136						1.0000		0.9900
n-Heptane	++++ 0.4308	0.3135 0.4694	0.3928	0.4381	0.3222	0.3928	0.4381	Lin2			-0.152	0.4420							0.9940		0.9900
Dibromomethane	++++ 0.1153	0.1123 0.1282	0.1111	0.1095	0.1176	0.1111	0.1095	Ave				0.1156				5.9		15.0			
1,2-Dichloropropane	++++ 0.2817	0.2610 0.3160	0.2692	0.2751	0.2631	0.2692	0.2751	Ave				0.2777				7.3		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Houston Job No.: 600-100953-1 Analy Batch No.: 146352

SDG No.: _____

Instrument ID: CHVOAMS07 GC Column: DB-VRX 60 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/10/2014 12:45 Calibration End Date: 10/10/2014 16:13 Calibration ID: 4635

ANALYTE	RRF							CURVE TYPE	COEFFICIENT				#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	B	M1		M2											
Trichloroethene	++++ 0.3821	0.3370 0.4828	0.3415	0.3734	0.3739	Ave			0.3818						14.0		15.0			
Bromodichloromethane	++++ 0.3338	0.2487 0.3779	0.2889	0.2976	0.3152	Ave			0.3103						14.0		15.0			
Methyl methacrylate	++++ 0.1538	0.0615 0.1629	0.0792	0.1167	0.1383	Lin1			-0.276	0.1618							0.9970			0.9900
1,4-Dioxane	++++ 0.0007	0.0008 0.0008	0.0002	0.0006	0.0007	Lin			-0.020	0.0008								0.9980		0.9900
2-Chloroethyl vinyl ether	++++ 0.3655	0.1536 0.4203	0.1985	0.3098	0.3296	Lin1			-0.714	0.4075								0.9940		0.9900
Methylcyclohexane	++++ 0.4578	0.3387 0.5079	0.3882	0.4545	0.4789	Ave			0.4377						14.0		15.0			
cis-1,3-Dichloropropene	++++ 1.3246	0.8944 1.5180	0.9196	1.1009	1.2256	Lin1			-0.955	1.4616								0.9940		0.9900
4-Methyl-2-pentanone (MIBK)	++++ 0.1384	0.0755 0.1492	0.0925	0.1064	0.1273	Lin1			-0.204	0.1466								0.9970		0.9900
trans-1,3-Dichloropropene	++++ 0.8918	0.6013 1.0455	0.6251	0.6881	0.7937	Lin1			-0.710	0.9954								0.9900		0.9900
1,1,2-Trichloroethane	0.4878 0.5509	0.5907 0.5965	0.6486	0.5832	0.5708	Ave			0.5755						8.5		15.0			
trans 2,3-dichlorobutane	++++ 1.3222	1.3464 1.3865	1.2245	1.3103	1.3412	Ave			1.3218						4.1		15.0			
Ethyl methacrylate	++++ 0.7735	0.2760 0.8943	0.4162	0.5935	0.6730	Lin1			-0.831	0.8634								0.9920		0.9900
Toluene	++++ 2.9121	2.2392 3.2684	2.4560	2.7580	2.9103	Ave			2.7573						13.0		15.0			
1,3-Dichloropropane	++++ 1.0172	1.0265 1.0720	0.9296	1.0371	1.0311	Ave			1.0189						4.7		15.0			
2-Hexanone	++++ 0.3095	0.0473 0.3438	0.1320	0.1970	0.2757	Lin1			-0.774	0.3381								0.9940		0.9900
cis 2,3-dichlorobutane	++++ 0.9632	0.9281 0.9981	0.9710	0.9348	1.0019	Ave			0.9662						3.2		15.0			
Chlorodibromomethane	++++ 0.6483	0.5755 0.7310	0.5310	0.5507	0.6109	Ave			0.6079						12.0		15.0			
n-Butyl acetate	++++ 0.7417	0.3234 0.8746	0.2820	0.4936	0.6304	Lin			-1.779	0.8965								0.9970		0.9900
1,2-Dibromoethane	++++ 0.4451	0.4899 0.4967	0.4449	0.4357	0.4352	Ave			0.4579						6.1		15.0			
Tetrachloroethene	++++ 1.3127	1.0232 1.8264	1.0466	1.2489	1.2717	Qua			0.3738	0.9948								1.0000		0.9900

Note: The ml coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Houston

SDG No.:

Job No.: 600-100953-1

Analy Batch No.: 146352

Instrument ID: CHVOAMS07

GC Column: DB-VRX 60

ID: 0.25 (mm)

Heated Purge: (Y/N) N

Calibration Start Date: 10/10/2014 12:45

Calibration End Date: 10/10/2014 16:13

Calibration ID: 4635

ANALYTE	RRF				CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	B	M1	M2								
1-Chlorohexane	++++ 0.9065	0.6058 0.9326	0.6502	0.7925	0.8964	-0.344	0.9046							0.9950		0.9900
1,1,1,2-Tetrachloroethane	++++ 0.7801	0.7344 0.8984	0.7534	0.7466	0.8016		0.7858				7.7		15.0			
Chlorobenzene	++++ 2.4227	2.4898 2.6782	2.5018	2.4836	2.4001		2.4960			0.3000	3.9		15.0			
Ethylbenzene	++++ 1.3880	0.9518 1.5619	1.1272	1.2588	1.3407	-0.522	1.4340							0.9960		0.9900
m-Xylene & p-Xylene	++++ 3.0195	1.8930 3.3935	2.1647	2.7084	2.9286	-1.377	3.1137							0.9940		0.9900
Bromoform	++++ 0.3224	0.1876 0.3823	0.2703	0.2723	0.3199	-0.158	0.3418			0.1000				0.9910		0.9900
Styrene	++++ 1.9922	0.8861 2.4761	0.9539	1.4771	1.7715	-5.150	2.5277							0.9950		0.9900
Cyclohexanone	++++ 0.0109	0.0060 0.0134	0.0059	0.0085	0.0092	-1.358	0.0137							0.9940		0.9900
1,1,2,2-Tetrachloroethane	++++ 0.5946	0.6461 0.6811	0.6287	0.6009	0.6237		0.6292			0.3000	5.0		15.0			
o-Xylene	++++ 1.5955	0.9196 1.8065	1.3588	1.5157	1.5552	-0.769	1.6983							0.9970		0.9900
trans-1,4-Dichloro-2-butene	++++ 0.1114	0.1137 0.1324	0.1001	0.0954	0.1197		0.1121				12.0		15.0			
1,2,3-Trichloropropane	++++ 0.1675	0.2624 0.1790	0.1933	0.1919	0.1831	0.0844	0.1699							0.9940		0.9900
Isopropylbenzene	++++ 4.3943	2.3502 5.0903	2.8652	3.8440	4.7400	-2.652	4.7072							0.9900		0.9900
Bromobenzene	0.9747 0.8996	0.8975 1.0391	0.8164	0.8280	0.9480		0.9148				8.7		15.0			
N-Propylbenzene	++++ 1.1801	0.6168 1.4399	0.8541	1.0389	1.2446	-0.726	1.2887							0.9910		0.9900
2-Chlorotoluene	++++ 1.0207	0.7056 1.1999	0.7955	1.0042	1.0991	-0.453	1.1121							0.9940		0.9900
4-Chlorotoluene	++++ 2.8864	1.7542 3.3086	2.2146	2.6737	3.0240	-1.436	3.0913							0.9960		0.9900
1,3,5-Trimethylbenzene	++++ 3.3566	1.9047 4.1409	2.5097	3.0576	3.5793	-1.946	3.6980							0.9910		0.9900
Pentachloroethane	++++ 0.1697	0.4026 0.1232	0.3015	0.2035	0.2188	0.2136	0.1929	-0.001481						0.9980		0.9900
tert-Butylbenzene	++++ 2.9767	1.6627 3.5604	2.1054	2.5730	3.0431	-1.677	3.1763							0.9900		0.9900

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Houston Job No.: 600-100953-1 Analy Batch No.: 146352

SDG No.: _____

Instrument ID: CHVOAMS07 GC Column: DB-VRX 60 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/10/2014 12:45 Calibration End Date: 10/10/2014 16:13 Calibration ID: 4635

ANALYTE	LVL 1		LVL 2		RRF		CURVE		COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 6	LVL 7	LVL 4	LVL 5	LVL 3	LVL 4	LVL 5	TYPE	B	M1	M2								
1,2,4-Trimethylbenzene	++++ 3.4830	2.0509 4.1968	3.1149	3.4996	2.5678	3.1149	3.4996	Lin2	-1.845	3.7273							0.9910		0.9900
Benzyl chloride	++++ 0.6730	0.4952 0.7770	0.6077	0.6892	0.5159	0.6077	0.6892	Lin2	-0.248	0.7036							0.9910		0.9900
sec-Butylbenzene	++++ 4.4033	2.6677 5.1554	4.1162	4.3899	3.4989	4.1162	4.3899	Lin2	-2.152	4.7093							0.9950		0.9900
1,3-Dichlorobenzene	++++ 1.9863	1.6828 2.3854	1.9613	2.0032	1.7928	1.9613	2.0032	Ave		1.9686			12.0		15.0				
1,4-Dichlorobenzene	++++ 2.1526	2.0463 2.8505	2.0581	2.1715	2.0398	2.0581	2.1715	Ave		2.2198			14.0		15.0				
p-Isopropyltoluene	++++ 4.2062	2.9425 5.5328	3.7863	4.1996	3.3256	3.7863	4.1996	Lin	-10.08	5.5882							0.9920		0.9900
1,2,3-Trimethylbenzene	++++ 3.5092	2.3047 4.1801	3.2983	3.4007	2.5543	3.2983	3.4007	Lin2	-1.608	3.7091							0.9900		0.9900
1,2-Dichlorobenzene	++++ 1.6395	1.4376 1.8756	1.6412	1.6790	1.5033	1.6412	1.6790	Ave		1.6294			9.3		15.0				
n-Butylbenzene	++++ 3.3687	2.0359 3.9211	3.1708	3.4015	2.3797	3.1708	3.4015	Lin2	-1.735	3.5872							0.9930		0.9900
1,2-Dibromo-3-Chloropropane	++++ 0.0590	0.0802 0.0678	0.0631	0.0584	0.0795	0.0631	0.0584	Ave		0.0680			14.0		15.0				
1,2,4-Trichlorobenzene	++++ 1.2083	0.8706 1.2110	1.0972	1.1738	0.9162	1.0972	1.1738	Ave		1.0795			14.0		15.0				
1,3,5-Trichlorobenzene	++++ 0.7221	0.4659 0.6979	0.5447	0.6724	0.3855	0.5447	0.6724	Lin1	-0.413	0.7103							0.9970		0.9900
Naphthalene	++++ 0.9474	0.4106 1.0379	0.5274	0.7850	0.3572	0.5274	0.7850	Lin	-1.924	1.0682							0.9980		0.9900
Hexachlorobutadiene	++++ 0.2532	0.2787 0.2204	0.2840	0.2564	0.2840	0.2564	0.2690	Ave		0.2603			8.8		15.0				
1,2,3-Trichlorobenzene	++++ 0.4531	0.3813 0.3888	0.3138	0.3482	0.3138	0.3482	0.4484	Ave		0.3889			14.0		15.0				
Dibromofluoromethane	0.3829 0.3106	0.2944 0.3575	0.3064	0.2962	0.3064	0.2962	0.3184	Ave		0.3238			10.0		15.0				
1,2-Dichloroethane-d4 (Surr)	0.3460 0.2413	0.2373 0.2555	0.2346	0.2392	0.2346	0.2392	0.2366	Lin1	0.0142	0.2479							0.9980		0.9900
Toluene-d8 (Surr)	3.7858 4.0356	3.0251 4.5192	3.5695	3.7949	3.5695	3.7949	4.1176	Ave		3.8354			12.0		15.0				
4-Bromofluorobenzene	++++ 1.0200	0.6927 1.2014	0.9625	1.0142	0.9625	1.0142	1.0915	Lin2	-0.422	1.1284							0.9960		0.9900

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Houston Job No.: 600-100953-1 Analy Batch No.: 146352

SDG No.: _____

Instrument ID: CHVOAMS07 GC Column: DB-VRX 60 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/10/2014 12:45 Calibration End Date: 10/10/2014 16:13 Calibration ID: 4635

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 600-146352/2	A28301.D
Level 2	IC 600-146352/3	A28302A.D
Level 3	IC 600-146352/4	A28303.D
Level 4	IC 600-146352/5	A28304.D
Level 5	ICIS 600-146352/6	A28305.D
Level 6	IC 600-146352/7	A28306.D
Level 7	IC 600-146352/8	A28307.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Lin2	++++ 102478	5746 293287	9573	24373	51822	++++ 20.0	1.00 50.0	2.00	5.00	10.0
Chloromethane	FB	Lin2	++++ 150863	7596 446591	13237	35325	76748	++++ 20.0	1.00 50.0	2.00	5.00	10.0
Vinyl chloride	FB	Ave	++++ 211870	9049 548236	18480	48381	108721	++++ 20.0	1.00 50.0	2.00	5.00	10.0
Butadiene	FB	Ave	++++ 219329	9270 664853	19366	48273	110666	++++ 20.0	1.00 50.0	2.00	5.00	10.0
Bromomethane	FB	Ave	++++ 114176	3912 392394	8317	22937	46346	++++ 20.0	1.00 50.0	2.00	5.00	10.0
Ethanol	FB	Lin1	++++ 41014	920 151806	2299	5334	18233	++++ 1000	50.0 2500	100	250	500
Chloroethane	FB	Ave	++++ 117698	4334 379954	8131	22181	51948	++++ 20.0	1.00 50.0	2.00	5.00	10.0
Dichlorofluoromethane	FB	Ave	++++ 342557	10927 1101587	24851	64349	147027	++++ 20.0	1.00 50.0	2.00	5.00	10.0
Acetonitrile	FB	Lin	++++ 65153	1948 244217	3087	9798	26120	++++ 200	10.0 500	20.0	50.0	100
Acrolein	FB	Lin	++++ 54578	1241 224640	2229	8640	23447	++++ 100	5.00 250	10.0	25.0	50.0
Trichlorofluoromethane	FB	Ave	++++ 293921	10915 983674	20764	54239	128907	++++ 20.0	1.00 50.0	2.00	5.00	10.0
Isopropyl alcohol	FB	Lin	++++ 49820	1537 199173	2292	5747	20480	++++ 200	10.0 500	20.0	50.0	100
Acetone	FB	Lin1	++++ 60800	1242 210713	3219	8087	28587	++++ 40.0	2.00 100	4.00	10.0	20.0
Ethyl ether	FB	Lin1	++++ 171717	4652 633699	9191	29727	77710	++++ 20.0	1.00 50.0	2.00	5.00	10.0
t-Butanol	FB	Lin	++++ 83416	1775 344165	4418	12493	38143	++++ 200	10.0 500	20.0	50.0	100

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Houston Job No.: 600-100953-1 Analy Batch No.: 146352

SDG No.: _____

Instrument ID: CHVOAMS07 GC Column: DB-VRX 60 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/10/2014 12:45 Calibration End Date: 10/10/2014 16:13 Calibration ID: 4635

ANALYTE	IS REF	CURVE TYPE	RESPONSE				CONCENTRATION (UG/L)					
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,1-Dichloroethene	FB	Ave	++++ 204107	5432 761565	13176	35805	96172	++++ 20.0	1.00 50.0	2.00	5.00	10.0
Acrylonitrile	FB	Lin1	++++ 333700	7118 1224452	16337	55069	147244	++++ 200	10.0 500	20.0	50.0	100
Iodomethane	FB	Ave	++++ 390848	11127 1422173	24947	75005	182219	++++ 20.0	1.00 50.0	2.00	5.00	10.0
Methylene Chloride	FB	Lin2	++++ 262305	16489 935504	25279	58395	130439	++++ 20.0	1.00 50.0	2.00	5.00	10.0
Methyl acetate	FB	Lin2	++++ 535060	12977 1927277	32500	92813	244192	++++ 100	5.00 250	10.0	25.0	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	++++ 115779	5345 407555	8426	24014	55184	++++ 20.0	1.00 50.0	2.00	5.00	10.0
3-Chloro-1-propene	FB	Lin2	++++ 126729	3215 471115	7373	23004	57358	++++ 20.0	1.00 50.0	2.00	5.00	10.0
Carbon disulfide	FB	Ave	++++ 522231	16160 1838768	34685	97856	250367	++++ 20.0	1.00 50.0	2.00	5.00	10.0
trans-1,2-Dichloroethene	FB	Ave	++++ 269034	7963 1006820	16980	48484	119474	++++ 20.0	1.00 50.0	2.00	5.00	10.0
Methyl tert-butyl ether	FB	Lin1	++++ 444577	9168 1649085	22980	71867	202456	++++ 20.0	1.00 50.0	2.00	5.00	10.0
Propionitrile	FB	Lin1	++++ 120699	2638 459950	6584	19286	53537	++++ 200	10.0 500	20.0	50.0	100
1,1-Dichloroethane	FB	Ave	++++ 493684	15276 1730235	35022	91664	234187	++++ 20.0	1.00 50.0	2.00	5.00	10.0
Vinyl acetate	FB	Lin2	++++ 468394	7723 1508813	21363	70473	204178	++++ 40.0	2.00 100	4.00	10.0	20.0
2-Chloro-1,3-butadiene	FB	Lin2	++++ 424657	7986 1593498	20923	69732	195084	++++ 20.0	1.00 50.0	2.00	5.00	10.0
Hexane	FB	Lin2	++++ 338697	7642 1221093	20274	61722	163574	++++ 20.0	1.00 50.0	2.00	5.00	10.0
Isopropyl ether	FB	Ave	++++ 999309	24304 3524658	61317	178336	478647	++++ 20.0	1.00 50.0	2.00	5.00	10.0
2-Butanone (MEK)	FB	Lin	++++ 34394	466 132788	2357	5394	14593	++++ 40.0	2.00 100	4.00	10.0	20.0
Methacrylonitrile	FB	Lin2	++++ 190506	4081 680044	10485	30731	83600	++++ 200	10.0 500	20.0	50.0	100
cis-1,2-Dichloroethene	FB	Ave	++++ 297084	9715 1106083	20700	56519	143005	++++ 20.0	1.00 50.0	2.00	5.00	10.0
Ethyl acetate	FB	Lin2	++++ 244292	3830 873686	11651	39368	106007	++++ 40.0	2.00 100	4.00	10.0	20.0
Bromochloromethane	FB	Ave	++++ 119467	4090 452515	9407	22887	54886	++++ 20.0	1.00 50.0	2.00	5.00	10.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Houston Job No.: 600-100953-1 Analy Batch No.: 146352

SDG No.: _____

Instrument ID: CHVOAMS07 GC Column: DB-VRX 60 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/10/2014 12:45 Calibration End Date: 10/10/2014 16:13 Calibration ID: 4635

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Chloroform	FB	Ave	++++ 524516	17885 1896276	34982	97034	246111	++++ 20.0	1.00 50.0	2.00	5.00	10.0
Tert-butyl ethyl ether	FB	Lin2	++++ 678660	14863 2480259	35646	110241	313924	++++ 20.0	1.00 50.0	2.00	5.00	10.0
Isobutyl alcohol	FB	Lin	++++ 211379	3643 765471	5478	21714	93691	++++ 500	25.0 1250	50.0	125	250
2,2-Dichloropropane	FB	Ave	++++ 180064	5562 578892	13203	32524	91866	++++ 20.0	1.00 50.0	2.00	5.00	10.0
Tetrahydrofuran	FB	Lin2	++++ 65899	1277 246398	3999	11681	31096	++++ 40.0	2.00 100	4.00	10.0	20.0
1,2-Dichloroethane	FB	Ave	++++ 235623	7652 813060	16813	46133	112976	++++ 20.0	1.00 50.0	2.00	5.00	10.0
n-Butanol	FB	Lin	35455	188756			13915	500	1250			250
1,1,1-Trichloroethane	FB	Ave	++++ 324464	9951 1140646	21112	62069	160037	++++ 20.0	1.00 50.0	2.00	5.00	10.0
1,1-Dichloropropene	FB	Lin2	++++ 350726	7757 1298034	17730	60708	165794	++++ 20.0	1.00 50.0	2.00	5.00	10.0
Cyclohexane	FB	Lin2	++++ 293743	7166 1055317	18348	56715	147594	++++ 20.0	1.00 50.0	2.00	5.00	10.0
Carbon tetrachloride	FB	Ave	++++ 331176	10079 1287635	19146	58834	158235	++++ 20.0	1.00 50.0	2.00	5.00	10.0
Benzene	FB	Ave	++++ 1107173	35229 3992231	73990	209573	514262	++++ 20.0	1.00 50.0	2.00	5.00	10.0
2-Nitropropane	FB	Lin2	++++ 173889	3639 611462	10033	27370	80765	++++ 40.0	2.00 100	4.00	10.0	20.0
Tert-amyl methyl ether	FB	Lin1	++++ 458334	9355 1759491	23015	73425	217991	++++ 20.0	1.00 50.0	2.00	5.00	10.0
Ethyl acrylate	FB	Qua	++++ 117921	4543 507328	8891	16529	45858	++++ 20.0	1.00 50.0	2.00	5.00	10.0
n-Heptane	FB	Lin2	++++ 353538	9025 1246696	19332	63598	172391	++++ 20.0	1.00 50.0	2.00	5.00	10.0
Dibromomethane	FB	Ave	++++ 94600	3233 340445	7053	17988	43075	++++ 20.0	1.00 50.0	2.00	5.00	10.0
1,2-Dichloropropane	FB	Ave	++++ 231164	7514 839291	15781	43595	108240	++++ 20.0	1.00 50.0	2.00	5.00	10.0
Trichloroethene	FB	Ave	++++ 313623	9703 1282114	20487	60466	147119	++++ 20.0	1.00 50.0	2.00	5.00	10.0
Bromodichloromethane	FB	Ave	++++ 273988	7159 1003480	17330	48180	124043	++++ 20.0	1.00 50.0	2.00	5.00	10.0
Methyl methacrylate	FB	Lin1	++++ 252407	3540 865484	9504	37798	108811	++++ 40.0	2.00 100	4.00	10.0	20.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Houston Job No.: 600-100953-1 Analy Batch No.: 146352

SDG No.:

Instrument ID: CHVOAMS07 GC Column: DB-VRX 60 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/10/2014 12:45 Calibration End Date: 10/10/2014 16:13 Calibration ID: 4635

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,4-Dioxane	FB	Lin	++++ 12011	475 43259	219	1956	5668	++++ 400	20.0 1000	40.0	100	200
2-Chloroethyl vinyl ether	CBZ	Lin1	++++ 157854	2035 586347	5779	26037	64967	++++ 40.0	2.00 100	4.00	10.0	20.0
Methylcyclohexane	FB	Ave	++++ 375723	9751 1348801	23288	73591	188439	++++ 20.0	1.00 50.0	2.00	5.00	10.0
cis-1,3-Dichloropropene	CBZ	Lin1	++++ 286052	5925 1058831	13383	46257	120789	++++ 20.0	1.00 50.0	2.00	5.00	10.0
4-Methyl-2-pentanone (MIBK)	FB	Lin1	++++ 227158	4349 792419	11097	34445	100159	++++ 40.0	2.00 100	4.00	10.0	20.0
trans-1,3-Dichloropropene	CBZ	Lin1	++++ 192587	3983 729237	9098	28910	78221	++++ 20.0	1.00 50.0	2.00	5.00	10.0
1,1,2-Trichloroethane	CBZ	Ave	1454 118965	3913 416106	9440	24504	56253	0.500 20.0	1.00 50.0	2.00	5.00	10.0
trans 2,3-dichlorobutane	CBZ	Ave	++++ 285518	8919 967106	17820	55055	132181	++++ 20.0	1.00 50.0	2.00	5.00	10.0
Ethyl methacrylate	CBZ	Lin1	++++ 167040	1828 623795	6057	24935	66322	++++ 20.0	1.00 50.0	2.00	5.00	10.0
Toluene	CBZ	Ave	++++ 628861	14833 2279785	35743	115881	286814	++++ 20.0	1.00 50.0	2.00	5.00	10.0
1,3-Dichloropropane	CBZ	Ave	++++ 219660	6800 747714	13529	43573	101621	++++ 20.0	1.00 50.0	2.00	5.00	10.0
2-Hexanone	CBZ	Lin1	++++ 133651	627 479656	3843	16553	54339	++++ 40.0	2.00 100	4.00	10.0	20.0
cis 2,3-dichlorobutane	CBZ	Ave	++++ 208009	6148 696178	14132	39278	98742	++++ 20.0	1.00 50.0	2.00	5.00	10.0
Chlorodibromomethane	CBZ	Ave	++++ 139998	3812 509922	7728	23137	60209	++++ 20.0	1.00 50.0	2.00	5.00	10.0
n-Butyl acetate	CBZ	Lin	++++ 160168	2142 610044	4104	20738	62124	++++ 20.0	1.00 50.0	2.00	5.00	10.0
1,2-Dibromoethane	CBZ	Ave	++++ 96114	3245 346479	6475	18305	42894	++++ 20.0	1.00 50.0	2.00	5.00	10.0
Tetrachloroethene	CBZ	Qua	++++ 283481	6778 1273965	15231	52474	125328	++++ 20.0	1.00 50.0	2.00	5.00	10.0
1-Chlorohexane	CBZ	Lin2	++++ 195755	4013 650485	9462	33297	88341	++++ 20.0	1.00 50.0	2.00	5.00	10.0
1,1,1,2-Tetrachloroethane	CBZ	Ave	++++ 168467	4865 626629	10964	31371	79004	++++ 20.0	1.00 50.0	2.00	5.00	10.0
Chlorobenzene	CBZ	Ave	++++ 523181	16493 1868091	36410	104350	236532	++++ 20.0	1.00 50.0	2.00	5.00	10.0
Ethylbenzene	CBZ	Lin2	++++ 299726	6305 1089437	16405	52891	132127	++++ 20.0	1.00 50.0	2.00	5.00	10.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Houston Job No.: 600-100953-1 Analy Batch No.: 146352

SDG No.: _____

Instrument ID: CHVOAMS07 GC Column: DB-VRX 60 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/10/2014 12:45 Calibration End Date: 10/10/2014 16:13 Calibration ID: 4635

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
m-Xylene & p-Xylene	CBZ	Lin2	++++ 652051	12540 2367024	31504	113797	288618	++++ 20.0	1.00 50.0	2.00	5.00	10.0
Bromoform	DCB	Lin2	++++ 59898	1011 230566	3385	9575	24505	++++ 20.0	1.00 50.0	2.00	5.00	10.0
Styrene	CBZ	Lin	++++ 430205	5870 1727122	13883	62062	174588	++++ 20.0	1.00 50.0	2.00	5.00	10.0
Cyclohexanone	CBZ	Lin	++++ 117207	2000 467707	4270	17777	45510	++++ 1000	50.0 2500	100	250	500
1,1,2,2-Tetrachloroethane	DCB	Ave	++++ 110474	3482 410795	7873	21131	47781	++++ 20.0	1.00 50.0	2.00	5.00	10.0
o-Xylene	CBZ	Lin2	++++ 344537	6092 1260099	19775	63684	153268	++++ 20.0	1.00 50.0	2.00	5.00	10.0
trans-1,4-Dichloro-2-butene	DCB	Ave	++++ 20697	613 79868	1254	3356	9172	++++ 20.0	1.00 50.0	2.00	5.00	10.0
1,2,3-Trichloropropane	DCB	Lin2	++++ 31116	1414 107958	2421	6749	14024	++++ 20.0	1.00 50.0	2.00	5.00	10.0
Isopropylbenzene	DCB	Lin2	++++ 816413	12666 3070276	35880	135179	363138	++++ 20.0	1.00 50.0	2.00	5.00	10.0
Bromobenzene	DCB	Ave	2105 167132	4837 626731	10223	29119	72630	0.500 20.0	1.00 50.0	2.00	5.00	10.0
N-Propylbenzene	DCB	Lin2	++++ 219258	3324 868494	10695	36535	95353	++++ 20.0	1.00 50.0	2.00	5.00	10.0
2-Chlorotoluene	DCB	Lin2	++++ 189628	3803 723733	9962	35315	84207	++++ 20.0	1.00 50.0	2.00	5.00	10.0
4-Chlorotoluene	DCB	Lin2	++++ 536273	9454 1995640	27733	94025	231670	++++ 20.0	1.00 50.0	2.00	5.00	10.0
1,3,5-Trimethylbenzene	DCB	Lin2	++++ 623631	10265 2497661	31428	107524	274218	++++ 20.0	1.00 50.0	2.00	5.00	10.0
Pentachloroethane	DCB	Qua	++++ 31534	2170 74318	3776	7155	16759	++++ 20.0	1.00 50.0	2.00	5.00	10.0
tert-Butylbenzene	DCB	Lin2	++++ 553038	8961 2147548	26365	90482	233132	++++ 20.0	1.00 50.0	2.00	5.00	10.0
1,2,4-Trimethylbenzene	DCB	Lin2	++++ 647099	11053 2531357	32156	109540	268109	++++ 20.0	1.00 50.0	2.00	5.00	10.0
Benzyl chloride	DCB	Lin2	++++ 125046	2669 468687	6461	21371	52804	++++ 20.0	1.00 50.0	2.00	5.00	10.0
sec-Butylbenzene	DCB	Lin2	++++ 818098	14377 3109601	43815	144752	336319	++++ 20.0	1.00 50.0	2.00	5.00	10.0
1,3-Dichlorobenzene	DCB	Ave	++++ 369043	9069 1438819	22450	68971	153466	++++ 20.0	1.00 50.0	2.00	5.00	10.0
1,4-Dichlorobenzene	DCB	Ave	++++ 399927	11028 1719332	25543	72376	166364	++++ 20.0	1.00 50.0	2.00	5.00	10.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Houston Job No.: 600-100953-1 Analy Batch No.: 146352

SDG No.: _____

Instrument ID: CHVOAMS07 GC Column: DB-VRX 60 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/10/2014 12:45 Calibration End Date: 10/10/2014 16:13 Calibration ID: 4635

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
p-Isopropyltoluene	DCB	Lin	++++ 781471	15858 3337200	41645	133149	321740	++++ 20.0	1.00 50.0	2.00	5.00	10.0
1,2,3-Trimethylbenzene	DCB	Lin2	++++ 651972	12421 2521293	31987	115989	260528	++++ 20.0	1.00 50.0	2.00	5.00	10.0
1,2-Dichlorobenzene	DCB	Ave	++++ 304603	7748 1131313	18825	57716	128630	++++ 20.0	1.00 50.0	2.00	5.00	10.0
n-Butylbenzene	DCB	Lin2	++++ 625870	10972 2365069	29800	111506	260595	++++ 20.0	1.00 50.0	2.00	5.00	10.0
1,2-Dibromo-3-Chloropropane	DCB	Ave	++++ 10961	432 40917	996	2220	4472	++++ 20.0	1.00 50.0	2.00	5.00	10.0
1,2,4-Trichlorobenzene	DCB	Ave	++++ 224493	4692 730407	11473	38585	89923	++++ 20.0	1.00 50.0	2.00	5.00	10.0
1,3,5-Trichlorobenzene	DCB	Lin1	++++ 134166	2511 420953	4827	19156	51515	++++ 20.0	1.00 50.0	2.00	5.00	10.0
Naphthalene	DCB	Lin	++++ 176020	2213 626055	4473	18548	60143	++++ 20.0	1.00 50.0	2.00	5.00	10.0
Hexachlorobutadiene	DCB	Ave	++++ 47046	1502 132955	3557	9018	20605	++++ 20.0	1.00 50.0	2.00	5.00	10.0
1,2,3-Trichlorobenzene	DCB	Ave	++++ 84180	2055 234488	3929	12244	34351	++++ 20.0	1.00 50.0	2.00	5.00	10.0
Dibromofluoromethane	FB	Ave	5105 254888	8476 949365	18382	47957	125280	0.500 20.0	1.00 50.0	2.00	5.00	10.0
1,2-Dichloroethane-d4 (Surr)	FB	Lin1	4613 198033	6831 678507	14072	38734	93099	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Toluene-d8 (Surr)	CBZ	Ave	11284 871475	20039 3152258	51948	159446	405797	0.500 20.0	1.00 50.0	2.00	5.00	10.0
4-Bromofluorobenzene	DCB	Lin2	++++ 189508	3733 724663	12053	35667	83619	++++ 20.0	1.00 50.0	2.00	5.00	10.0

Curve Type Legend:
Ave = Average ISTD
Lin = Linear ISTD
Lin1 = Linear 1/conc ISTD
Lin2 = Linear 1/conc^2 ISTD
Qua = Quadratic ISTD

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Houston Job No.: 600-100953-1

SDG No.: _____

Lab Sample ID: CCVIS 600-147732/2 Calibration Date: 10/27/2014 10:05

Instrument ID: CHVOAMS07 Calib Start Date: 10/10/2014 12:45

GC Column: DB-VRX 60 ID: 0.25 (mm) Calib End Date: 10/10/2014 16:13

Lab File ID: A30001.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Lin2		0.0856		6.41	10.0	-36.0*	35.0
Chloromethane	Lin2		0.1397	0.1000	7.21	10.0	-27.9	35.0
Vinyl chloride	Ave	0.2770	0.2717		9.81	10.0	-1.9	20.0
Butadiene	Ave	0.2903	0.2173		7.49	10.0	-25.1	35.0
Bromomethane	Ave	0.1368	0.1674		12.2	10.0	22.3	35.0
Ethanol	Lin1		0.0008		381	500	-23.8	35.0
Chloroethane	Ave	0.1403	0.1576		11.2	10.0	12.3	35.0
Dichlorofluoromethane	Ave	0.3995	0.4723		11.8	10.0	18.2	35.0
Acetonitrile	Lin		0.0055		75.0	100	-25.0	50.0
Acrolein	Lin		0.0024		17.1	50.0	-65.9*	50.0
Trichlorofluoromethane	Ave	0.3527	0.5012		14.2	10.0	42.1*	35.0
Isopropyl alcohol	Lin		0.0044		78.6	100	-21.4	50.0
Acetone	Lin1		0.0368		20.2	20.0	0.8	50.0
Ethyl ether	Lin1		0.1600		7.51	10.0	-24.9	50.0
t-Butanol	Lin		0.0094		90.2	100	-9.8	35.0
1,1-Dichloroethene	Ave	0.2349	0.2319		9.87	10.0	-1.3	20.0
Acrylonitrile	Lin1		0.0320		78.5	100	-21.5	50.0
Iodomethane	Ave	0.4567	0.5581		12.2	10.0	22.2	35.0
Methylene Chloride	Lin2		0.3926		11.6	10.0	16.3	50.0
Methyl acetate	Lin2		0.0976		38.4	50.0	-23.2	35.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.1515	0.1696		11.2	10.0	11.9	35.0
3-Chloro-1-propene	Lin2		0.1387		9.05	10.0	-9.5	35.0
Carbon disulfide	Ave	0.6181	0.5110		8.27	10.0	-17.3	35.0
trans-1,2-Dichloroethene	Ave	0.3116	0.3289		10.6	10.0	5.5	35.0
Methyl tert-butyl ether	Lin1		0.5204		9.36	10.0	-6.4	35.0
Propionitrile	Lin1		0.0127		83.8	100	-16.2	35.0
1,1-Dichloroethane	Ave	0.5881	0.5538	0.1000	9.42	10.0	-5.8	35.0
Vinyl acetate	Lin2		0.2348		18.2	20.0	-8.8	50.0
2-Chloro-1,3-butadiene	Lin2		0.4065		8.14	10.0	-18.6	35.0
Hexane	Lin2		0.2804		6.87	10.0	-31.3	35.0
2-Butanone (MEK)	Lin		0.0209		19.7	20.0	-1.6	50.0
Isopropyl ether	Ave	1.121	0.9635		8.59	10.0	-14.1	35.0
Methacrylonitrile	Lin2		0.0198		89.5	100	-10.5	35.0
cis-1,2-Dichloroethene	Ave	0.3622	0.3968		11.0	10.0	9.5	35.0
Ethyl acetate	Lin2		0.1084		15.6	20.0	-21.9	35.0
Bromochloromethane	Ave	0.1493	0.1758		11.8	10.0	17.7	35.0
Chloroform	Ave	0.6304	0.7070		11.2	10.0	12.2	20.0
Tert-butyl ethyl ether	Lin2		0.7073		8.86	10.0	-11.4	35.0
Isobutyl alcohol	Lin		0.0083		220	250	-12.1	50.0
2,2-Dichloropropane	Ave	0.2142	0.2512		11.7	10.0	17.3	35.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Houston Job No.: 600-100953-1

SDG No.: _____

Lab Sample ID: CCVIS 600-147732/2 Calibration Date: 10/27/2014 10:05

Instrument ID: CHVOAMS07 Calib Start Date: 10/10/2014 12:45

GC Column: DB-VRX 60 ID: 0.25 (mm) Calib End Date: 10/10/2014 16:13

Lab File ID: A30001.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Tetrahydrofuran	Lin2		0.0296		14.8	20.0	-25.8	35.0
1,2-Dichloroethane	Ave	0.2852	0.2713		9.51	10.0	-4.9	35.0
1,1,1-Trichloroethane	Ave	0.3854	0.4753		12.3	10.0	23.3	35.0
1,1-Dichloropropene	Lin2		0.4144		9.83	10.0	-1.7	35.0
Cyclohexane	Lin2		0.3588		9.75	10.0	-2.5	35.0
Carbon tetrachloride	Ave	0.3872	0.4831		12.5	10.0	24.8	35.0
Benzene	Ave	1.318	1.327		10.1	10.0	0.7	35.0
2-Nitropropane	Lin2		0.0892		17.6	20.0	-12.3	35.0
Tert-amyl methyl ether	Lin1		0.5592		9.53	10.0	-4.8	35.0
Ethyl acrylate	Qua		0.1792		13.8	10.0	37.7*	35.0
n-Heptane	Lin2		0.3585		8.46	10.0	-15.4	35.0
Dibromomethane	Ave	0.1156	0.1141		9.87	10.0	-1.3	35.0
1,2-Dichloropropene	Ave	0.2777	0.3142		11.3	10.0	13.1	20.0
Trichloroethene	Ave	0.3818	0.4838		12.7	10.0	26.7	35.0
Bromodichloromethane	Ave	0.3103	0.3357		10.8	10.0	8.2	35.0
Methyl methacrylate	Lin1		0.1087		15.1	20.0	-24.3	50.0
1,4-Dioxane	Lin		0.0006		167	200	-16.4	50.0
2-Chloroethyl vinyl ether	Lin1		0.3008		16.5	20.0	-17.4	35.0
Methylcyclohexane	Ave	0.4377	0.5028		11.5	10.0	14.9	35.0
cis-1,3-Dichloropropene	Lin1		1.294		9.51	10.0	-4.9	35.0
4-Methyl-2-pentanone (MIBK)	Lin1		0.1313		19.3	20.0	-3.5	50.0
trans-1,3-Dichloropropene	Lin1		0.7939		8.69	10.0	-13.1	35.0
1,1,2-Trichloroethane	Ave	0.5755	0.6463		11.2	10.0	12.3	35.0
Ethyl methacrylate	Lin1		0.6051		7.97	10.0	-20.3	50.0
Toluene	Ave	2.757	3.205		11.6	10.0	16.2	20.0
1,3-Dichloropropene	Ave	1.019	1.069		10.5	10.0	4.9	35.0
2-Hexanone	Lin1		0.2641		17.9	20.0	-10.5	50.0
Chlorodibromomethane	Ave	0.6079	0.7435		12.2	10.0	22.3	35.0
n-Butyl acetate	Lin		0.4556		7.07	10.0	-29.3	35.0
1,2-Dibromoethane	Ave	0.4579	0.5039		11.0	10.0	10.0	35.0
Tetrachloroethene	Qua		1.316		10.9	10.0	8.9	35.0
1-Chlorohexane	Lin2		0.8512		9.79	10.0	-2.1	35.0
1,1,1,2-Tetrachloroethane	Ave	0.7858	1.053		13.4	10.0	34.1	35.0
Chlorobenzene	Ave	2.496	2.954	0.3000	11.8	10.0	18.3	35.0
Ethylbenzene	Lin2		1.616		11.6	10.0	16.3	20.0
m-Xylene & p-Xylene	Lin2		3.325		11.1	10.0	11.2	35.0
Bromoform	Lin2		0.3973	0.1000	12.1	10.0	20.9	35.0
Styrene	Lin		2.021		10.0	10.0	0.3	35.0
Cyclohexanone	Lin		0.0088		420	500	-16.0	50.0
1,1,2,2-Tetrachloroethane	Ave	0.6292	0.4982	0.3000	7.92	10.0	-20.8	35.0
o-Xylene	Lin2		1.847		11.3	10.0	13.3	35.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Houston Job No.: 600-100953-1
 SDG No.: _____
 Lab Sample ID: CCVIS 600-147732/2 Calibration Date: 10/27/2014 10:05
 Instrument ID: CHVOAMS07 Calib Start Date: 10/10/2014 12:45
 GC Column: DB-VRX 60 ID: 0.25 (mm) Calib End Date: 10/10/2014 16:13
 Lab File ID: A30001.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
trans-1,4-Dichloro-2-butene	Ave	0.1121	0.1170		10.4	10.0	4.4	50.0
1,2,3-Trichloropropane	Lin2		0.1625		9.07	10.0	-9.3	35.0
Isopropylbenzene	Lin2		4.061		9.19	10.0	-8.1	35.0
Bromobenzene	Ave	0.9148	0.9831		10.8	10.0	7.5	35.0
N-Propylbenzene	Lin2		1.200		9.88	10.0	-1.2	35.0
2-Chlorotoluene	Lin2		1.045		9.80	10.0	-2.0	35.0
4-Chlorotoluene	Lin2		2.557		8.74	10.0	-12.6	35.0
1,3,5-Trimethylbenzene	Lin2		3.243		9.30	10.0	-7.0	35.0
Pentachloroethane	Qua		0.5092		34.4	10.0	243.6*	35.0
tert-Butylbenzene	Lin2		3.022		10.0	10.0	0.4	35.0
1,2,4-Trimethylbenzene	Lin2		3.280		9.29	10.0	-7.1	35.0
Benzyl chloride	Lin2		0.6377		9.42	10.0	-5.8	35.0
sec-Butylbenzene	Lin2		4.339		9.67	10.0	-3.3	35.0
1,3-Dichlorobenzene	Ave	1.969	2.144		10.9	10.0	8.9	35.0
1,4-Dichlorobenzene	Ave	2.220	2.160		9.73	10.0	-2.7	35.0
p-Isopropyltoluene	Lin		4.125		9.19	10.0	-8.1	35.0
1,2,3-Trimethylbenzene	Lin2		3.325		9.40	10.0	-6.0	35.0
1,2-Dichlorobenzene	Ave	1.629	1.761		10.8	10.0	8.1	35.0
n-Butylbenzene	Lin2		3.188		9.37	10.0	-6.3	35.0
1,2-Dibromo-3-Chloropropane	Ave	0.0680	0.0818		12.0	10.0	20.3	35.0
1,2,4-Trichlorobenzene	Ave	1.080	1.348		12.5	10.0	24.9	35.0
1,3,5-Trichlorobenzene	Lin1		0.6750		10.1	10.0	0.9	35.0
Naphthalene	Lin		0.8106		9.39	10.0	-6.1	35.0
Hexachlorobutadiene	Ave	0.2603	0.3665		14.1	10.0	40.8*	35.0
1,2,3-Trichlorobenzene	Ave	0.3889	0.3800		9.77	10.0	-2.3	35.0
Dibromofluoromethane	Ave	0.3238	0.3670		11.3	10.0	13.4	35.0
1,2-Dichloroethane-d4 (Surr)	Lin1		0.2271		9.10	10.0	-9.0	35.0
Toluene-d8 (Surr)	Ave	3.835	4.420		11.5	10.0	15.3	35.0
4-Bromofluorobenzene	Lin2		0.9618		8.90	10.0	-11.0	35.0

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-100953-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 600-147732/5

Matrix: Water Lab File ID: A30004.D

Analysis Method: 8260B Date Collected: _____

Sample wt/vol: 20 (mL) Date Analyzed: 10/27/2014 11:59

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 147732 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	0.120	U	1.00	0.120
74-87-3	Chloromethane	0.180	U	2.00	0.180
75-01-4	Vinyl chloride	0.110	U	2.00	0.110
74-83-9	Bromomethane	0.250	U	2.00	0.250
75-00-3	Chloroethane	0.0800	U	2.00	0.0800
75-69-4	Trichlorofluoromethane	0.0800	U	1.00	0.0800
75-35-4	1,1-Dichloroethene	0.190	U	1.00	0.190
156-60-5	trans-1,2-Dichloroethene	0.0900	U	1.00	0.0900
1634-04-4	Methyl tert-butyl ether	0.120	U	1.00	0.120
75-09-2	Methylene Chloride	1.063	J	5.00	0.150
156-59-2	cis-1,2-Dichloroethene	0.0600	U	1.00	0.0600
78-93-3	2-Butanone (MEK)	0.760	U	2.00	0.760
74-97-5	Bromochloromethane	0.180	U	1.00	0.180
56-23-5	Carbon tetrachloride	0.150	U	1.00	0.150
71-43-2	Benzene	0.0800	U	1.00	0.0800
107-06-2	1,2-Dichloroethane	0.140	U	1.00	0.140
79-01-6	Trichloroethene	0.180	U	1.00	0.180
71-55-6	1,1,1-Trichloroethane	0.150	U	1.00	0.150
75-34-3	1,1-Dichloroethane	0.110	U	1.00	0.110
78-87-5	1,2-Dichloropropane	0.160	U	1.00	0.160
594-20-7	2,2-Dichloropropane	0.130	U	1.00	0.130
74-95-3	Dibromomethane	0.520	U	1.00	0.520
67-66-3	Chloroform	0.130	U	1.00	0.130
75-27-4	Bromodichloromethane	0.160	U	1.00	0.160
110-75-8	2-Chloroethyl vinyl ether	0.500	U	2.00	0.500
563-58-6	1,1-Dichloropropene	0.210	U	1.00	0.210
10061-01-5	cis-1,3-Dichloropropene	0.180	U	1.00	0.180
108-88-3	Toluene	0.150	U	1.00	0.150
10061-02-6	trans-1,3-Dichloropropene	0.210	U	1.00	0.210
79-00-5	1,1,2-Trichloroethane	0.280	U	1.00	0.280
127-18-4	Tetrachloroethene	0.130	U	1.00	0.130
142-28-9	1,3-Dichloropropane	0.220	U	1.00	0.220
124-48-1	Chlorodibromomethane	0.150	U	1.00	0.150
106-93-4	1,2-Dibromoethane	0.180	U	1.00	0.180
108-90-7	Chlorobenzene	0.120	U	1.00	0.120
630-20-6	1,1,1,2-Tetrachloroethane	0.180	U	1.00	0.180

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-100953-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 600-147732/5

Matrix: Water Lab File ID: A30004.D

Analysis Method: 8260B Date Collected: _____

Sample wt/vol: 20 (mL) Date Analyzed: 10/27/2014 11:59

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 147732 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	0.110	U	1.00	0.110
179601-23-1	m-Xylene & p-Xylene	0.170	U	1.00	0.170
1330-20-7	Xylenes, Total	0.260	U	1.00	0.260
95-47-6	o-Xylene	0.120	U	1.00	0.120
100-42-5	Styrene	0.0700	U	1.00	0.0700
75-25-2	Bromoform	0.190	U	1.00	0.190
98-82-8	Isopropylbenzene	0.180	U	1.00	0.180
108-86-1	Bromobenzene	0.190	U	1.00	0.190
96-18-4	1,2,3-Trichloropropane	0.290	U	1.00	0.290
79-34-5	1,1,2,2-Tetrachloroethane	0.220	U	1.00	0.220
103-65-1	N-Propylbenzene	0.150	U	1.00	0.150
95-49-8	2-Chlorotoluene	0.130	U	1.00	0.130
106-43-4	4-Chlorotoluene	0.140	U	1.00	0.140
108-67-8	1,3,5-Trimethylbenzene	0.100	U	1.00	0.100
98-06-6	tert-Butylbenzene	0.0800	U	1.00	0.0800
99-87-6	p-Isopropyltoluene	0.100	U	1.00	0.100
95-63-6	1,2,4-Trimethylbenzene	0.140	U	1.00	0.140
135-98-8	sec-Butylbenzene	0.120	U	1.00	0.120
541-73-1	1,3-Dichlorobenzene	0.130	U	1.00	0.130
106-46-7	1,4-Dichlorobenzene	0.110	U	1.00	0.110
95-50-1	1,2-Dichlorobenzene	0.100	U	1.00	0.100
104-51-8	n-Butylbenzene	0.160	U	1.00	0.160
96-12-8	1,2-Dibromo-3-Chloropropane	0.810	U	1.00	0.810
120-82-1	1,2,4-Trichlorobenzene	0.310	U	1.00	0.310
87-68-3	Hexachlorobutadiene	0.170	U	1.00	0.170
91-20-3	Naphthalene	0.320	U	2.00	0.320
87-61-6	1,2,3-Trichlorobenzene	0.570	U	1.00	0.570

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	81		67-139
1868-53-7	Dibromofluoromethane	96		62-130
2037-26-5	Toluene-d8 (Surr)	107		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	84		50-134

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-100953-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 600-147732/14

Matrix: Water Lab File ID: A30014.D

Analysis Method: 8260B Date Collected: _____

Sample wt/vol: 20 (mL) Date Analyzed: 10/27/2014 16:17

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 147732 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	4.908		1.00	0.120
74-87-3	Chloromethane	6.538		2.00	0.180
75-01-4	Vinyl chloride	8.257		2.00	0.110
74-83-9	Bromomethane	9.535		2.00	0.250
75-00-3	Chloroethane	8.362		2.00	0.0800
75-69-4	Trichlorofluoromethane	11.09		1.00	0.0800
75-35-4	1,1-Dichloroethene	11.54		1.00	0.190
156-60-5	trans-1,2-Dichloroethene	10.54		1.00	0.0900
1634-04-4	Methyl tert-butyl ether	9.566		1.00	0.120
75-09-2	Methylene Chloride	11.30		5.00	0.150
156-59-2	cis-1,2-Dichloroethene	9.726		1.00	0.0600
78-93-3	2-Butanone (MEK)	18.25		2.00	0.760
74-97-5	Bromochloromethane	10.64		1.00	0.180
56-23-5	Carbon tetrachloride	11.36		1.00	0.150
71-43-2	Benzene	9.016		1.00	0.0800
107-06-2	1,2-Dichloroethane	8.888		1.00	0.140
79-01-6	Trichloroethene	11.22		1.00	0.180
71-55-6	1,1,1-Trichloroethane	11.49		1.00	0.150
75-34-3	1,1-Dichloroethane	8.974		1.00	0.110
78-87-5	1,2-Dichloropropane	8.198		1.00	0.160
594-20-7	2,2-Dichloropropane	11.12		1.00	0.130
74-95-3	Dibromomethane	8.541		1.00	0.520
67-66-3	Chloroform	8.724		1.00	0.130
75-27-4	Bromodichloromethane	9.485		1.00	0.160
110-75-8	2-Chloroethyl vinyl ether	14.75		2.00	0.500
563-58-6	1,1-Dichloropropene	9.409		1.00	0.210
10061-01-5	cis-1,3-Dichloropropene	8.347		1.00	0.180
108-88-3	Toluene	9.860		1.00	0.150
10061-02-6	trans-1,3-Dichloropropene	8.319		1.00	0.210
79-00-5	1,1,2-Trichloroethane	9.531		1.00	0.280
127-18-4	Tetrachloroethene	9.820		1.00	0.130
142-28-9	1,3-Dichloropropane	9.054		1.00	0.220
124-48-1	Chlorodibromomethane	10.07		1.00	0.150
106-93-4	1,2-Dibromoethane	10.20		1.00	0.180
108-90-7	Chlorobenzene	10.36		1.00	0.120
630-20-6	1,1,1,2-Tetrachloroethane	11.42		1.00	0.180

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-100953-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 600-147732/14

Matrix: Water Lab File ID: A30014.D

Analysis Method: 8260B Date Collected: _____

Sample wt/vol: 20 (mL) Date Analyzed: 10/27/2014 16:17

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 147732 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	10.33		1.00	0.110
179601-23-1	m-Xylene & p-Xylene	9.941		1.00	0.170
1330-20-7	Xylenes, Total	19.92		1.00	0.260
95-47-6	o-Xylene	9.976		1.00	0.120
100-42-5	Styrene	9.465		1.00	0.0700
75-25-2	Bromoform	6.469		1.00	0.190
98-82-8	Isopropylbenzene	7.719		1.00	0.180
108-86-1	Bromobenzene	9.307		1.00	0.190
96-18-4	1,2,3-Trichloropropane	7.417		1.00	0.290
79-34-5	1,1,2,2-Tetrachloroethane	6.245		1.00	0.220
103-65-1	N-Propylbenzene	8.344		1.00	0.150
95-49-8	2-Chlorotoluene	8.420		1.00	0.130
106-43-4	4-Chlorotoluene	7.448		1.00	0.140
108-67-8	1,3,5-Trimethylbenzene	7.930		1.00	0.100
98-06-6	tert-Butylbenzene	8.623		1.00	0.0800
99-87-6	p-Isopropyltoluene	8.010		1.00	0.100
95-63-6	1,2,4-Trimethylbenzene	8.075		1.00	0.140
135-98-8	sec-Butylbenzene	8.241		1.00	0.120
541-73-1	1,3-Dichlorobenzene	9.601		1.00	0.130
106-46-7	1,4-Dichlorobenzene	8.489		1.00	0.110
95-50-1	1,2-Dichlorobenzene	9.651		1.00	0.100
104-51-8	n-Butylbenzene	8.005		1.00	0.160
96-12-8	1,2-Dibromo-3-Chloropropane	8.662		1.00	0.810
120-82-1	1,2,4-Trichlorobenzene	12.96		1.00	0.310
87-68-3	Hexachlorobutadiene	12.63		1.00	0.170
91-20-3	Naphthalene	12.92		2.00	0.320
87-61-6	1,2,3-Trichlorobenzene	17.48		1.00	0.570

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	76		67-139
1868-53-7	Dibromofluoromethane	96		62-130
2037-26-5	Toluene-d8 (Surr)	102		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	83		50-134

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-100953-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: 600-100927-B-9 MS

Matrix: Water Lab File ID: A30012.D

Analysis Method: 8260B Date Collected: 10/15/2014 15:15

Sample wt/vol: 20 (mL) Date Analyzed: 10/27/2014 15:20

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 147732 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	6.037		1.00	0.120
74-87-3	Chloromethane	7.124		2.00	0.180
75-01-4	Vinyl chloride	8.781		2.00	0.110
74-83-9	Bromomethane	10.13		2.00	0.250
75-00-3	Chloroethane	9.484		2.00	0.0800
75-69-4	Trichlorofluoromethane	11.87		1.00	0.0800
75-35-4	1,1-Dichloroethene	23.31		1.00	0.190
156-60-5	trans-1,2-Dichloroethene	11.07		1.00	0.0900
1634-04-4	Methyl tert-butyl ether	10.03		1.00	0.120
75-09-2	Methylene Chloride	9.019		5.00	0.150
156-59-2	cis-1,2-Dichloroethene	10.29		1.00	0.0600
78-93-3	2-Butanone (MEK)	16.18		2.00	0.760
74-97-5	Bromochloromethane	10.79		1.00	0.180
56-23-5	Carbon tetrachloride	12.11		1.00	0.150
71-43-2	Benzene	9.328		1.00	0.0800
107-06-2	1,2-Dichloroethane	8.971		1.00	0.140
79-01-6	Trichloroethene	14.46		1.00	0.180
71-55-6	1,1,1-Trichloroethane	11.98		1.00	0.150
75-34-3	1,1-Dichloroethane	13.11		1.00	0.110
78-87-5	1,2-Dichloropropane	8.583		1.00	0.160
594-20-7	2,2-Dichloropropane	11.97		1.00	0.130
74-95-3	Dibromomethane	8.613		1.00	0.520
67-66-3	Chloroform	9.306		1.00	0.130
75-27-4	Bromodichloromethane	9.876		1.00	0.160
110-75-8	2-Chloroethyl vinyl ether	1.965	J	2.00	0.500
563-58-6	1,1-Dichloropropene	9.802		1.00	0.210
10061-01-5	cis-1,3-Dichloropropene	8.902		1.00	0.180
108-88-3	Toluene	10.72		1.00	0.150
10061-02-6	trans-1,3-Dichloropropene	8.144		1.00	0.210
79-00-5	1,1,2-Trichloroethane	10.29		1.00	0.280
127-18-4	Tetrachloroethene	15.57		1.00	0.130
142-28-9	1,3-Dichloropropane	9.705		1.00	0.220
124-48-1	Chlorodibromomethane	11.25		1.00	0.150
106-93-4	1,2-Dibromoethane	10.32		1.00	0.180
108-90-7	Chlorobenzene	11.01		1.00	0.120
630-20-6	1,1,1,2-Tetrachloroethane	12.64		1.00	0.180

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-100953-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: 600-100927-B-9 MS

Matrix: Water Lab File ID: A30012.D

Analysis Method: 8260B Date Collected: 10/15/2014 15:15

Sample wt/vol: 20 (mL) Date Analyzed: 10/27/2014 15:20

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 147732 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	11.20		1.00	0.110
179601-23-1	m-Xylene & p-Xylene	10.99		1.00	0.170
1330-20-7	Xylenes, Total	21.68		1.00	0.260
95-47-6	o-Xylene	10.69		1.00	0.120
100-42-5	Styrene	9.511		1.00	0.0700
75-25-2	Bromoform	10.13		1.00	0.190
98-82-8	Isopropylbenzene	8.861		1.00	0.180
108-86-1	Bromobenzene	9.884		1.00	0.190
96-18-4	1,2,3-Trichloropropane	7.998		1.00	0.290
79-34-5	1,1,2,2-Tetrachloroethane	7.488		1.00	0.220
103-65-1	N-Propylbenzene	9.691		1.00	0.150
95-49-8	2-Chlorotoluene	9.182		1.00	0.130
106-43-4	4-Chlorotoluene	8.284		1.00	0.140
108-67-8	1,3,5-Trimethylbenzene	9.216		1.00	0.100
98-06-6	tert-Butylbenzene	9.546		1.00	0.0800
99-87-6	p-Isopropyltoluene	8.547		1.00	0.100
95-63-6	1,2,4-Trimethylbenzene	16.10		1.00	0.140
135-98-8	sec-Butylbenzene	9.038		1.00	0.120
541-73-1	1,3-Dichlorobenzene	9.911		1.00	0.130
106-46-7	1,4-Dichlorobenzene	8.840		1.00	0.110
95-50-1	1,2-Dichlorobenzene	10.69		1.00	0.100
104-51-8	n-Butylbenzene	8.820		1.00	0.160
96-12-8	1,2-Dibromo-3-Chloropropane	8.766		1.00	0.810
120-82-1	1,2,4-Trichlorobenzene	12.89		1.00	0.310
87-68-3	Hexachlorobutadiene	12.91		1.00	0.170
91-20-3	Naphthalene	28.56		2.00	0.320
87-61-6	1,2,3-Trichlorobenzene	11.70		1.00	0.570

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	79		67-139
1868-53-7	Dibromofluoromethane	100		62-130
2037-26-5	Toluene-d8 (Surr)	108		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	84		50-134

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-100953-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: 600-100927-B-9 MSD

Matrix: Water Lab File ID: A30013.D

Analysis Method: 8260B Date Collected: 10/15/2014 15:15

Sample wt/vol: 20 (mL) Date Analyzed: 10/27/2014 15:48

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 147732 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	6.569		1.00	0.120
74-87-3	Chloromethane	8.069		2.00	0.180
75-01-4	Vinyl chloride	9.561		2.00	0.110
74-83-9	Bromomethane	11.18		2.00	0.250
75-00-3	Chloroethane	10.45		2.00	0.0800
75-69-4	Trichlorofluoromethane	13.26		1.00	0.0800
75-35-4	1,1-Dichloroethene	24.51		1.00	0.190
156-60-5	trans-1,2-Dichloroethene	11.28		1.00	0.0900
1634-04-4	Methyl tert-butyl ether	10.22		1.00	0.120
75-09-2	Methylene Chloride	9.133		5.00	0.150
156-59-2	cis-1,2-Dichloroethene	10.13		1.00	0.0600
78-93-3	2-Butanone (MEK)	17.93		2.00	0.760
74-97-5	Bromochloromethane	11.23		1.00	0.180
56-23-5	Carbon tetrachloride	12.54		1.00	0.150
71-43-2	Benzene	9.556		1.00	0.0800
107-06-2	1,2-Dichloroethane	9.292		1.00	0.140
79-01-6	Trichloroethene	15.00		1.00	0.180
71-55-6	1,1,1-Trichloroethane	12.36		1.00	0.150
75-34-3	1,1-Dichloroethane	13.27		1.00	0.110
78-87-5	1,2-Dichloropropane	9.011		1.00	0.160
594-20-7	2,2-Dichloropropane	12.27		1.00	0.130
74-95-3	Dibromomethane	8.988		1.00	0.520
67-66-3	Chloroform	9.184		1.00	0.130
75-27-4	Bromodichloromethane	9.900		1.00	0.160
110-75-8	2-Chloroethyl vinyl ether	1.881	J	2.00	0.500
563-58-6	1,1-Dichloropropene	10.24		1.00	0.210
10061-01-5	cis-1,3-Dichloropropene	8.807		1.00	0.180
108-88-3	Toluene	10.72		1.00	0.150
10061-02-6	trans-1,3-Dichloropropene	8.818		1.00	0.210
79-00-5	1,1,2-Trichloroethane	10.55		1.00	0.280
127-18-4	Tetrachloroethene	16.71		1.00	0.130
142-28-9	1,3-Dichloropropane	9.745		1.00	0.220
124-48-1	Chlorodibromomethane	11.46		1.00	0.150
106-93-4	1,2-Dibromoethane	10.55		1.00	0.180
108-90-7	Chlorobenzene	10.97		1.00	0.120
630-20-6	1,1,1,2-Tetrachloroethane	12.67		1.00	0.180

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-100953-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: 600-100927-B-9 MSD

Matrix: Water Lab File ID: A30013.D

Analysis Method: 8260B Date Collected: 10/15/2014 15:15

Sample wt/vol: 20 (mL) Date Analyzed: 10/27/2014 15:48

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 147732 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	11.29		1.00	0.110
179601-23-1	m-Xylene & p-Xylene	10.78		1.00	0.170
1330-20-7	Xylenes, Total	21.49		1.00	0.260
95-47-6	o-Xylene	10.71		1.00	0.120
100-42-5	Styrene	9.526		1.00	0.0700
75-25-2	Bromoform	10.35		1.00	0.190
98-82-8	Isopropylbenzene	8.592		1.00	0.180
108-86-1	Bromobenzene	10.08		1.00	0.190
96-18-4	1,2,3-Trichloropropane	8.295		1.00	0.290
79-34-5	1,1,2,2-Tetrachloroethane	7.610		1.00	0.220
103-65-1	N-Propylbenzene	9.178		1.00	0.150
95-49-8	2-Chlorotoluene	9.167		1.00	0.130
106-43-4	4-Chlorotoluene	8.095		1.00	0.140
108-67-8	1,3,5-Trimethylbenzene	8.522		1.00	0.100
98-06-6	tert-Butylbenzene	9.578		1.00	0.0800
99-87-6	p-Isopropyltoluene	8.634		1.00	0.100
95-63-6	1,2,4-Trimethylbenzene	9.056		1.00	0.140
135-98-8	sec-Butylbenzene	9.039		1.00	0.120
541-73-1	1,3-Dichlorobenzene	10.37		1.00	0.130
106-46-7	1,4-Dichlorobenzene	9.236		1.00	0.110
95-50-1	1,2-Dichlorobenzene	10.81		1.00	0.100
104-51-8	n-Butylbenzene	8.884		1.00	0.160
96-12-8	1,2-Dibromo-3-Chloropropane	9.876		1.00	0.810
120-82-1	1,2,4-Trichlorobenzene	13.76		1.00	0.310
87-68-3	Hexachlorobutadiene	13.56		1.00	0.170
91-20-3	Naphthalene	15.73		2.00	0.320
87-61-6	1,2,3-Trichlorobenzene	15.88		1.00	0.570

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	74		67-139
1868-53-7	Dibromofluoromethane	96		62-130
2037-26-5	Toluene-d8 (Surr)	104		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	83		50-134

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Houston Job No.: 600-100953-1

SDG No.: _____

Instrument ID: CHVOAMS07 Start Date: 10/10/2014 12:17Analysis Batch Number: 146352 End Date: 10/10/2014 21:29

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 600-146352/1		10/10/2014 12:17	1	A28300.D	DB-VRX 60 0.25 (mm)
IC 600-146352/2		10/10/2014 12:45	1	A28301.D	DB-VRX 60 0.25 (mm)
IC 600-146352/3		10/10/2014 13:51	1	A28302A.D	DB-VRX 60 0.25 (mm)
IC 600-146352/4		10/10/2014 14:19	1	A28303.D	DB-VRX 60 0.25 (mm)
IC 600-146352/5		10/10/2014 14:48	1	A28304.D	DB-VRX 60 0.25 (mm)
ICIS 600-146352/6		10/10/2014 15:16	1	A28305.D	DB-VRX 60 0.25 (mm)
IC 600-146352/7		10/10/2014 15:45	1	A28306.D	DB-VRX 60 0.25 (mm)
IC 600-146352/8		10/10/2014 16:13	1	A28307.D	DB-VRX 60 0.25 (mm)
ICV 600-146352/12		10/10/2014 19:06	1		DB-VRX 60 0.25 (mm)
ZZZZZ		10/10/2014 19:06	1		DB-VRX 60 0.25 (mm)
ZZZZZ		10/10/2014 20:32	1		DB-VRX 60 0.25 (mm)
600-100260-A-1 MDLV		10/10/2014 21:01	1		DB-VRX 60 0.25 (mm)
600-100260-A-2 MDLV		10/10/2014 21:29	1		DB-VRX 60 0.25 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Houston Job No.: 600-100953-1

SDG No.: _____

Instrument ID: CHVOAMS07 Start Date: 10/27/2014 09:34Analysis Batch Number: 147732 End Date: 10/27/2014 21:30

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 600-147732/1		10/27/2014 09:34	1	A30000.D	DB-VRX 60 0.25 (mm)
CCVIS 600-147732/2		10/27/2014 10:05	1	A30001.D	DB-VRX 60 0.25 (mm)
MB 600-147732/5		10/27/2014 11:59	1	A30004.D	DB-VRX 60 0.25 (mm)
ZZZZZ		10/27/2014 12:28	1		DB-VRX 60 0.25 (mm)
ZZZZZ		10/27/2014 12:57	1		DB-VRX 60 0.25 (mm)
ZZZZZ		10/27/2014 13:25	1		DB-VRX 60 0.25 (mm)
ZZZZZ		10/27/2014 13:54	1		DB-VRX 60 0.25 (mm)
ZZZZZ		10/27/2014 14:22	1		DB-VRX 60 0.25 (mm)
ZZZZZ		10/27/2014 14:51	1		DB-VRX 60 0.25 (mm)
600-100927-B-9 MS		10/27/2014 15:20	1	A30012.D	DB-VRX 60 0.25 (mm)
600-100927-B-9 MSD		10/27/2014 15:48	1	A30013.D	DB-VRX 60 0.25 (mm)
LCS 600-147732/14		10/27/2014 16:17	1	A30014.D	DB-VRX 60 0.25 (mm)
ZZZZZ		10/27/2014 16:45	20		DB-VRX 60 0.25 (mm)
ZZZZZ		10/27/2014 17:13	1		DB-VRX 60 0.25 (mm)
ZZZZZ		10/27/2014 17:42	1		DB-VRX 60 0.25 (mm)
ZZZZZ		10/27/2014 18:11	1		DB-VRX 60 0.25 (mm)
ZZZZZ		10/27/2014 18:39	1		DB-VRX 60 0.25 (mm)
600-100953-1	ARTESIA-TB03-10212014	10/27/2014 19:08	1	A30020.D	DB-VRX 60 0.25 (mm)
600-100953-2	ARTESIA-MW1-10212014	10/27/2014 19:36	1	A30021.D	DB-VRX 60 0.25 (mm)
600-100953-3	ARTESIA-DUP01-10212014	10/27/2014 20:05	1	A30022.D	DB-VRX 60 0.25 (mm)
ZZZZZ		10/27/2014 20:33	1		DB-VRX 60 0.25 (mm)
ZZZZZ		10/27/2014 21:01	1		DB-VRX 60 0.25 (mm)
ZZZZZ		10/27/2014 21:30	1		DB-VRX 60 0.25 (mm)

Shipping and Receiving Documents

TestAmerica Houston
630 Rothway Street
Houston, TX 77040
Phone (713) 690-4444 Fax (713) 690-5646

Chain of Custody Record



TestAmerica
10/30/2014

600-100953 Chain of Custody

31448-10612.1

10/30/2014

Page 1 of 1

Job #

Preservation Codes:

A - HCL
B - NaOH
C - Zn Acetate
D - Nitric Acid
E - NaHSO4
F - MeOH
G - Amichlor
H - Ascorbic Acid
I - Ice
J - D Water
K - EDTA
L - EDA
M - Hexane
N - None
O - AsNaO2
P - Na2O4S
Q - Na2SO3
R - Na2S2O3
S - H2SO4
T - TSP Dodecylalrate
U - Acetone
V - MCAA
W - pH 4.5
Z - other (specify)

Special Instructions/Note:

Trip Blank

Analysis Requested

Field Filtered Sample (Yes or No)

Perform MS/MSD (Yes or No)

8260B_LL - (MOD) Custom List

6020 - Manganese, Dissolved

Total Number of Containers

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return To Client

Disposal By Lab

Archive For

Months

Special Instructions/QC Requirements:

Empty Kit Relinquished by:

Relinquished by:

Relinquished by:

Relinquished by:

Custody Seals Intact:

Custody Seal No.:

Client Information

Client Contact

Jeffrey Minchak

Phone:

(205) 240-3235

E-Mail

cathy.upton@testamerica.com

Company

CH2M Hill, Inc

Address:

4041 Jefferson Plaza NE Suite 200

City

Albuquerque

State, Zip

NM, 87109

Phone:

281-721-8546(Tel)

Email

Jeffrey.Minchak@ch2m.com

Project Name:

Dowell - Artesia Groundwater

Site

Dowell - Artesia Groundwater

Due Date Requested:

TAT Requested (days):

PO #

469935-1301 (Revised needed)

MO #

60004334

Project #

SSOW#

Sample Identification

Sample Date

Sample Time

Sample Type

(C=Comp, G=grab)

Matrix

(W=Water, S=Soil, O=Other)

Preservation Code

Field Filtered Sample (Yes or No)

Perform MS/MSD (Yes or No)

8260B_LL - (MOD) Custom List

6020 - Manganese, Dissolved

Total Number of Containers

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TAT Requested (days):

PO #

469935-1301 (Revised needed)

MO #

60004334

Project #

SSOW#

Sample Identification

Sample Date

Sample Time

Sample Type

(C=Comp, G=grab)

Matrix

(W=Water, S=Soil, O=Other)

Preservation Code

Field Filtered Sample (Yes or No)

Perform MS/MSD (Yes or No)

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Archive For

Months

Special Instructions/QC Requirements:

Empty Kit Relinquished by:

Relinquished by:

Relinquished by:

Relinquished by:

Custody Seals Intact:

Custody Seal No.:

Client Information

Client Contact

Jeffrey Minchak

Phone:

(205) 240-3235

E-Mail

cathy.upton@testamerica.com

S& Loc: 600 **100953** **ipt Checklist**

Date/Time Received: 11-09-22 09:54

JOB NUMBER: _____

CLIENT: Ch 2m Hill

UNPACKED BY: NJ

CARRIER/DRIVER: Red Sx

Custody Seal Present: ☒ YES ☐ NO

Number of Coolers Received: _____

Cooler ID	Temp Blank	Trip Blank	Observed Temp (°C)	Therm ID	Therm CF	Corrected Temp (°C)
<u>R2W</u>	Y / N	Y / N	<u>4.6</u>	<u>686</u>	<u>4.5</u>	<u>5.1</u>
	Y / N	Y / N				
	Y / N	Y / N				
	Y / N	Y / N				
	Y / N	Y / N				
	Y / N	Y / N				
	Y / N	Y / N				
	Y / N	Y / N				
	Y / N	Y / N				
	Y / N	Y / N				
	Y / N	Y / N				

CF = correction factor

Samples received on ice? ☒ YES ☐ NO

LABORATORY PRESERVATION OF SAMPLES REQUIRED: ☐ NO ☐ YES

Base samples are > pH 12: ☐ YES ☐ NO Acid preserved are < pH 2: ☐ YES ☐ NO

pH paper Lot # _____

VOA headspace acceptable (5-6mm): ☐ YES ☐ NO ☐ NA

	YES	NO
Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?		

COMMENTS:

Login Sample Receipt Checklist

Client: CH2M Hill Constructors, Inc.

Job Number: 600-100953-1

Login Number: 100953

List Source: TestAmerica Houston

List Number: 1

Creator: Joiner, Ninatchka M

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	5.1
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	Check done at department level as required.

ANALYTICAL REPORT

Job Number: 600-100927-1

Job Description: Dowell - Artesia Groundwater

For:
CH2M Hill Constructors, Inc.
14701 St. Mary's Lane
Suite 300
Houston, TX 77079-2923
Attention: Mr. John Ynfante



Approved for release.
Cathy L. Upton
Project Manager I
10/31/2014 11:18 AM

Cathy L. Upton, Project Manager I
6310 Rothway Street, Houston, TX, 77040
(713)690-4444
cathy.upton@testamericainc.com
10/31/2014

cc: Mr. Rick Dobbins
Luke Hill
Jeffrey Minchak

The test results in this report meet all NELAP requirements unless specified within the case narrative. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Project Manager.

TestAmerica Houston Certifications and Approvals: TX NELAP T104704223-09A-TX, ARDEQ 88-0759, LADEQ 01967, OKDEQ 9503, UT DOH GULF

TestAmerica Laboratories, Inc.

TestAmerica Houston 6310 Rothway Street, Houston, TX 77040
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Table of Contents

Cover Title Page	1
Data Summaries	4
Report Narrative	4
Sample Summary	6
Executive Summary	7
Method Summary	11
Method / Analyst Summary	12
Sample Datasheets	13
Surrogate Summary	67
QC Data Summary	69
Data Qualifiers	88
QC Association Summary	89
Lab Chronicle	92
Manual Integration Summary	99
Reagent Traceability	101
Certification Summary	114
Organic Sample Data	115
GC/MS VOA	115
8260B_LL	115
8260B_LL QC Summary	116
8260B_LL Sample Data	135
Standards Data	178
8260B_LL ICAL Data	178
8260B_LL CCAL Data	190
Raw QC Data	196
8260B_LL Blank Data	196

Table of Contents

8260B_LL LCS/LCSD Data	200
8260B_LL MS/MSD Data	206
8260B_LL Run Logs	210
Inorganic Sample Data	213
Metals Data	213
Met Cover Page	214
Met Sample Data	215
Met QC Data	226
Met ICV/CCV	226
Met Blanks	228
Met ICSA/ICSAB	232
Met MS/MSD/PDS	234
Met LCS/LCSD	238
Met Serial Dilution	240
Met MDL	242
Met Linear Ranges	244
Met Preparation Log	245
Met Analysis Run Log	247
Met ICP/MS Int Stds	249
Met Prep Data	253
Shipping and Receiving Documents	257
Client Chain of Custody	258
Sample Receipt Checklist	262

CASE NARRATIVE

Client: CH2M Hill Constructors, Inc.

Project: Dowell - Artesia Groundwater

Report Number: 600-100927-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes or interferences which exceed the calibration range of the instrument.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

Note: All samples that require thermal preservation are considered acceptable if the arrival temperature is within 2°C of the required temperature or method specified range. For samples with a specified temperature of 4°C, samples with a temperature ranging from just above freezing temperature of water to 6°C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

The samples were received on 10/21/2014; the samples arrived in good condition, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 1.7° C and 4.6° C.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples ARTESIA-MW26-10142014 (600-100927-1), ARTESIA-TB01-10142014 (600-100927-2), ARTESIA-MW33-10152014 (600-100927-3), ARTESIA-MW29-10152014 (600-100927-4), ARTESIA-MW30-10152014 (600-100927-5), ARTESIA-MW28-10152014 (600-100927-6), ARTESIA-DUP02-10152014 (600-100927-7), ARTESIA-MW32-10152014 (600-100927-8), ARTESIA-MW34-10152014 (600-100927-9), ARTESIA-MW22-10162014 (600-100927-10), ARTESIA-MW31-10162014 (600-100927-11), ARTESIA-MW21-10162014 (600-100927-12), ARTESIA-MW18-10162014 (600-100927-13), ARTESIA-MW20-10162014 (600-100927-14), ARTESIA-MW15-10172014 (600-100927-15), ARTESIA-MW17C-10172014 (600-100927-16), ARTESIA-MW12-10172014 (600-100927-17), ARTESIA-MW7-10172014 (600-100927-18), ARTESIA-MW8-10172014 (600-100927-19), ARTESIA-MW11-10172014 (600-100927-20) and ARTESIA-TB02-10202014 (600-100927-21) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 10/26/2014 and 10/27/2014.

Methylene Chloride was detected in method blank MB 600-147732/5 at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

Refer to the QC report for details.

4-Bromofluorobenzene failed the surrogate recovery criteria low for ARTESIA-MW12-10172014 (600-100927-17). Evidence of matrix interference is present; therefore, re-analysis was performed at a higher dilution.

Refer to the QC report for details.

1,2,3-Trichlorobenzene failed the recovery criteria high for LCS 600-147732/14 and LCSD 600-147711/4. This analyte was biased high in the LCS/LCSD and was not detected in the associated samples; therefore, the data have been reported.

Refer to the QC report for details.

1,2,4-Trimethylbenzene and Naphthalene failed the recovery criteria high for the MS of sample ARTESIA-MW34-10152014 (600-100927-9) in batch 600-147732.

For the MSD of sample ARTESIA-MW34-10152014 (600-100927-9) in batch 600-147732, 2-Chloroethyl vinyl ether failed the recovery criteria low. 1,2,3-Trichlorobenzene and Naphthalene failed the recovery criteria high.

Sample matrix interference is suspected because the associated laboratory control sample (LCS) was within acceptance limits.

Refer to the QC report for details.

For the MSD of sample ARTESIA-MW34-10152014 (600-100927-9) in batch 600-147732, 1,2,4-Trimethylbenzene and Naphthalene exceeded the RPD limit.

Refer to the QC report for details.

The continuing calibration verification (CCV) associated with batch 600-147711 recovered above the upper control limit for Hexachlorobutadiene (53.6%). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

The continuing calibration verification (CCV) associated with batch 600-147711 recovered below the lower control limits for dichlorodifluoromethane (-40.0%) and chloromethane (-37.4%). These compounds are not classified as Calibration Check Compounds (CCCs) in the reference method and their recovery difference is more than 35% but less than 50%; which is acceptable per the SOP.

The continuing calibration verification (CCV) associated with batch 147732 recovered above the upper control limit for Trichlorofluoromethane (42.1%) and Hexachlorobutadiene (40.8%). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

The continuing calibration verification (CCV) associated with batch 147732 recovered outside the control limits for Dichlorodifluoromethane (-36%). This compound is not classified as a Calibration Check Compound (CCC) in the reference method, and its recovery difference is more than 35% but less than 50%; which is acceptable per the SOP.

Sample ARTESIA-MW12-10172014 (600-100927-17)[20X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

DISSOLVED METALS (ICPMS)

Samples ARTESIA-MW26-10142014 (600-100927-1), ARTESIA-MW29-10152014 (600-100927-4), ARTESIA-MW30-10152014 (600-100927-5), ARTESIA-MW28-10152014 (600-100927-6), ARTESIA-DUP02-10152014 (600-100927-7), ARTESIA-MW32-10152014 (600-100927-8), ARTESIA-MW34-10152014 (600-100927-9), ARTESIA-MW22-10162014 (600-100927-10), ARTESIA-MW31-10162014 (600-100927-11), ARTESIA-MW21-10162014 (600-100927-12) and ARTESIA-MW18-10162014 (600-100927-13) were analyzed for dissolved metals (ICPMS) in accordance with EPA SW-846 Method 6020. The samples were prepared and analyzed on 10/29/2014.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

SAMPLE SUMMARY

Client: CH2M Hill Constructors, Inc.

Job Number: 600-900421-9

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
600-900421-9	ARTESIA-MB 26-90982098	B Wer	90082098 9/ / /	90292098 9002
600-900421-2	ARTESIA-T709-90982098	B Wer	90082098 9/ 00	90292098 9002
600-900421-3	ARTESIA-MB 33-909/ 2098	B Wer	900/ 2098 049/	90292098 9002
600-900421-8	ARTESIA-MB 24-909/ 2098	B Wer	900/ 2098 90/ /	90292098 9002
600-900421-/	ARTESIA-MB 30-909/ 2098	B Wer	900/ 2098 993/	90292098 9002
600-900421-6	ARTESIA-MB 25-909/ 2098	B Wer	900/ 2098 9290	90292098 9002
600-900421-1	ARTESIA-DUP02-909/ 2098	B Wer	900/ 2098 928/	90292098 9002
600-900421-5	ARTESIA-MB 32-909/ 2098	B Wer	900/ 2098 9820	90292098 9002
600-900421-4	ARTESIA-MB 38-909/ 2098	B Wer	900/ 2098 9/ 9/	90292098 9002
600-900421-4MS	ARTESIA-MB 38-909/ 2098	B Wer	900/ 2098 9/ 9/	90292098 9002
600-900421-4MSD	ARTESIA-MB 38-909/ 2098	B Wer	900/ 2098 9/ 9/	90292098 9002
600-900421-90	ARTESIA-MB 22-90962098	B Wer	90062098 9020	90292098 9002
600-900421-99	ARTESIA-MB 39-90962098	B Wer	90062098 9990	90292098 9002
600-900421-92	ARTESIA-MB 29-90962098	B Wer	90062098 9300	90292098 9002
600-900421-93	ARTESIA-MB 95-90962098	B Wer	90062098 93/ 0	90292098 9002
600-900421-98	ARTESIA-MB 20-90962098	B Wer	90062098 983/	90292098 9002
600-900421-9/	ARTESIA-MB 9/ -90912098	B Wer	90012098 04/ 0	90292098 9002
600-900421-96	ARTESIAMB 91C-90912098	B Wer	90012098 9030	90292098 9002
600-900421-91	ARTESIA-MB 92-90912098	B Wer	90012098 9990	90292098 9002
600-900421-95	ARTESIA-MB 1-90912098	B Wer	90012098 9300	90292098 9002
600-900421-94	ARTESIA-MB 5-90912098	B Wer	90012098 9330	90292098 9002
600-900421-20	ARTESIA-MB 99-90912098	B Wer	90012098 9800	90292098 9002
600-900421-29	ARTESIA-T702-90202098	B Wer	90202098 9000	90292098 9002

EXECUTIVE SUMMARY - Detections

Client: CH2M Hill Constructors, Inc.

Job Number: 600-100927-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
600-900241-9	ARTESIA-MW46-90974097					
1,1-Dichloroethene		0.964	J	1.00	ug/L	8260B
Trichloroethene		0.384	J	1.00	ug/L	8260B
1,1-Dichloroethane		0.136	J	1.00	ug/L	8260B
Tetrachloroethene		0.261	J	1.00	ug/L	8260B
600-900241-4	ARTESIA-T8 09-90974097					
Methylene Chloride		1.02	J B	5.00	ug/L	8260B
Benzene		0.626	J	1.00	ug/L	8260B
600-900241-3	ARTESIA-MW33-90954097					
p-Isopropyltoluene		1.82		1.00	ug/L	8260B
600-900241-7	ARTESIA-MW42-90954097					
1,1-Dichloroethene		23.8		1.00	ug/L	8260B
Methyl tert-butyl ether		1.21		1.00	ug/L	8260B
cis-1,2-Dichloroethene		0.351	J	1.00	ug/L	8260B
Trichloroethene		5.03		1.00	ug/L	8260B
1,1-Dichloroethane		3.70		1.00	ug/L	8260B
Tetrachloroethene		8.84		1.00	ug/L	8260B
p-Isopropyltoluene		1.82		1.00	ug/L	8260B
600-900241-5	ARTESIA-MW30-90954097					
1,1-Dichloroethene		22.1		1.00	ug/L	8260B
cis-1,2-Dichloroethene		0.180	J	1.00	ug/L	8260B
1,2-Dichloroethane		0.164	J	1.00	ug/L	8260B
Trichloroethene		5.80		1.00	ug/L	8260B
1,1-Dichloroethane		6.06		1.00	ug/L	8260B
Tetrachloroethene		20.5		1.00	ug/L	8260B
600-900241-6	ARTESIA-MW4H-90954097					
1,1-Dichloroethene		36.1		1.00	ug/L	8260B
Methyl tert-butyl ether		1.29		1.00	ug/L	8260B
cis-1,2-Dichloroethene		0.432	J	1.00	ug/L	8260B
Benzene		0.103	J	1.00	ug/L	8260B
1,2-Dichloroethane		0.196	J	1.00	ug/L	8260B
Trichloroethene		8.73		1.00	ug/L	8260B
1,1-Dichloroethane		8.89		1.00	ug/L	8260B
Tetrachloroethene		22.4		1.00	ug/L	8260B

EXECUTIVE SUMMARY - Detections

Client: CH2M Hill Constructors, Inc.

Job Number: 600-100927-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
600-900241-1	ARTESIA-DUB04-90954097					
1,1-Dichloroethene		37.5		1.00	ug/L	8260B
Methyl tert-butyl ether		1.28		1.00	ug/L	8260B
cis-1,2-Dichloroethene		0.521	J	1.00	ug/L	8260B
Trichloroethene		9.07		1.00	ug/L	8260B
1,1-Dichloroethane		9.07		1.00	ug/L	8260B
Tetrachloroethene		23.6		1.00	ug/L	8260B
600-900241-H	ARTESIA-MW34-90954097					
1,1-Dichloroethene		2.96		1.00	ug/L	8260B
Trichloroethene		0.887	J	1.00	ug/L	8260B
1,1-Dichloroethane		0.603	J	1.00	ug/L	8260B
Tetrachloroethene		3.41		1.00	ug/L	8260B
600-900241-2	ARTESIA-MW37-90954097					
1,1-Dichloroethene		13.1		1.00	ug/L	8260B
cis-1,2-Dichloroethene		0.146	J	1.00	ug/L	8260B
Trichloroethene		2.66		1.00	ug/L	8260B
1,1-Dichloroethane		4.06		1.00	ug/L	8260B
Tetrachloroethene		7.52		1.00	ug/L	8260B
600-900241-90	ARTESIA-MW44-90964097					
1,1-Dichloroethene		4.89		1.00	ug/L	8260B
cis-1,2-Dichloroethene		0.0671	J	1.00	ug/L	8260B
Trichloroethene		1.35		1.00	ug/L	8260B
1,1-Dichloroethane		1.87		1.00	ug/L	8260B
Tetrachloroethene		6.68		1.00	ug/L	8260B
600-900241-99	ARTESIA-MW39-90964097					
1,1-Dichloroethene		1.22		1.00	ug/L	8260B
Trichloroethene		0.258	J	1.00	ug/L	8260B
1,1-Dichloroethane		0.800	J	1.00	ug/L	8260B
Tetrachloroethene		0.499	J	1.00	ug/L	8260B
<i>Dissolved</i>						
Manganese, Dissolved		0.138		0.0500	mg/L	6020
600-900241-94	ARTESIA-MW49-90964097					
1,1-Dichloroethene		0.196	J	1.00	ug/L	8260B
1,1-Dichloroethane		0.195	J	1.00	ug/L	8260B
Tetrachloroethene		0.134	J	1.00	ug/L	8260B

EXECUTIVE SUMMARY - Detections

Client: CH2M Hill Constructors, Inc.

Job Number: 600-100927-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
600-900241-93	ARTESIA-MW9H-90964097					
1,1-Dichloroethene		0.190	J	1.00	ug/L	8260B
Tetrachloroethene		0.361	J	1.00	ug/L	8260B
600-900241-97	ARTESIA-MW40-90964097					
Vinyl chloride		0.374	J	2.00	ug/L	8260B
1,1-Dichloroethene		3.80		1.00	ug/L	8260B
Methyl tert-butyl ether		1.95		1.00	ug/L	8260B
cis-1,2-Dichloroethene		3.18		1.00	ug/L	8260B
Benzene		0.211	J	1.00	ug/L	8260B
1,2-Dichloroethane		0.168	J	1.00	ug/L	8260B
Trichloroethene		4.30		1.00	ug/L	8260B
1,1-Dichloroethane		12.1		1.00	ug/L	8260B
Tetrachloroethene		2.63		1.00	ug/L	8260B
Chlorobenzene		0.199	J	1.00	ug/L	8260B
600-900241-95	ARTESIA-MW95-90914097					
Methyl tert-butyl ether		0.778	J	1.00	ug/L	8260B
cis-1,2-Dichloroethene		0.855	J	1.00	ug/L	8260B
Trichloroethene		15.4		1.00	ug/L	8260B
1,1-Dichloroethane		0.119	J	1.00	ug/L	8260B
Tetrachloroethene		5.92		1.00	ug/L	8260B
600-900241-96	ARTESIAMW91C-90914097					
1,1-Dichloroethene		0.436	J	1.00	ug/L	8260B
cis-1,2-Dichloroethene		0.0733	J	1.00	ug/L	8260B
Trichloroethene		0.615	J	1.00	ug/L	8260B
1,1-Dichloroethane		0.184	J	1.00	ug/L	8260B
Tetrachloroethene		0.199	J	1.00	ug/L	8260B

EXECUTIVE SUMMARY - Detections

Client: CH2M Hill Constructors, Inc.

Job Number: 600-100927-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
600-900241-91	ARTESIA-MW94-90914097					
1,1-Dichloroethene		0.484	J	1.00	ug/L	8260B
cis-1,2-Dichloroethene		10.9		1.00	ug/L	8260B
Benzene		2.65		1.00	ug/L	8260B
Trichloroethene		0.851	J	1.00	ug/L	8260B
1,1-Dichloroethane		4.34		1.00	ug/L	8260B
Tetrachloroethene		0.830	J	1.00	ug/L	8260B
Ethylbenzene		3.79		1.00	ug/L	8260B
m-Xylene & p-Xylene		55.4		20.0	ug/L	8260B
Xylenes, Total		67.0		20.0	ug/L	8260B
o-Xylene		11.6	J	20.0	ug/L	8260B
Isopropylbenzene		48.1		1.00	ug/L	8260B
N-Propylbenzene		52.4		20.0	ug/L	8260B
1,3,5-Trimethylbenzene		49.1		20.0	ug/L	8260B
tert-Butylbenzene		0.600	J	1.00	ug/L	8260B
p-Isopropyltoluene		3.27		1.00	ug/L	8260B
1,2,4-Trimethylbenzene		385		20.0	ug/L	8260B
sec-Butylbenzene		5.38		1.00	ug/L	8260B
n-Butylbenzene		7.76		1.00	ug/L	8260B
Naphthalene		104		40.0	ug/L	8260B
600-900241-9H	ARTESIA-MW1-90914097					
Tetrachloroethene		0.161	J	1.00	ug/L	8260B
p-Isopropyltoluene		1.82		1.00	ug/L	8260B
600-900241-92	ARTESIA-MWH-90914097					
1,1-Dichloroethene		1.25		1.00	ug/L	8260B
Methyl tert-butyl ether		0.896	J	1.00	ug/L	8260B
cis-1,2-Dichloroethene		0.354	J	1.00	ug/L	8260B
Trichloroethene		1.08		1.00	ug/L	8260B
1,1-Dichloroethane		2.06		1.00	ug/L	8260B
Tetrachloroethene		1.81		1.00	ug/L	8260B
600-900241-40	ARTESIA-MW99-90914097					
Trichloroethene		0.211	J	1.00	ug/L	8260B
1,1-Dichloroethane		0.253	J	1.00	ug/L	8260B
600-900241-49	ARTESIA-T8 04-90404097					
Methylene Chloride		1.12	J B	5.00	ug/L	8260B
Benzene		0.609	J	1.00	ug/L	8260B

METHOD SUMMARY

Client: CH2M Hill Constructors, Inc.

Job Number: 600-100927-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Volatile Organic Compounds (GC/MS)	TAL HOU	SW846 8260B	
Purge and Trap	TAL HOU		SW846 5030B
Metals (ICP/MS)	TAL CC	SW846 6020	
Preparation, Total Metals	TAL CC		SW846 3010A
Sample Filtration, Field			FIELD_FLTRD

Lab References:

TAL CC = TestAmerica Corpus Christi

TAL HOU = TestAmerica Houston

Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: CH2M Hill Constructors, Inc.

Job Number: 600-100927-1

Method	Analyst	Analyst ID
SW846 8260B	Teng, Danica	DT1
SW846 6020	Mathewson, John E	JEM

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-100925-1

Client Sample ID: ARTESIA-MW26-10142014

3Lb aLmSle Ip: 600-100925-1

Client MLtriD x Lter

pLte aLmSleW 10d1/ d201/ 1444

pLte 8eeceReW 10d1d201/ 1002

8260B Volatile Organic Compounds (GC/MS)

VnLlysis MetgoW	v2607	VnLlysis 7Ltcg:	600-1/ 5511	Instrument Ip:	CHhOVMa05
PreS MetgoW	40A07	PreS 7Ltcg:	Nd/	3Lb Bile Ip:	V29909.p
pilution:	1.0			InitiLI x eiFgtH volume:	20 m3
VnLlysis pLte:	10d26d201/ 1/ 11			BinLI x eiFgtH volume:	20 m3
PreSpLte:	10d26d201/ 1/ 11				

VnLlyte	8esult (uFdB)	QuLlifier	Mp3	83
p icgloRoWfluorometgLne	0.120	U	0.120	1.00
CgloRoetgLne	0.1v0	U	0.1v0	2.00
h inyl cgloRiV	0.110	U	0.110	2.00
7romometgLne	0.240	U	0.240	2.00
CgloRoetgLne	0.0v00	U	0.0v00	2.00
TricgloRofluorometgLne	0.0v00	U	0.0v00	1.00
1,1-p icgloRoetgene	0.96/	J	0.190	1.00
trLns-1,2-p icgloRoetgene	0.0900	U	0.0900	1.00
Metgyl tert-butyl etger	0.120	U	0.120	1.00
Metgylene CgloRiV	0.140	U	0.140	4.00
cis-1,2-p icgloRoetgene	0.0600	U	0.0600	1.00
2-7 utLnone (MEK)	0.560	U	0.560	2.00
7romocgloRoetgLne	0.1v0	U	0.1v0	1.00
CLrbon tetrLcgloRiV	0.140	U	0.140	1.00
7 enzene	0.0v00	U	0.0v00	1.00
1,2-p icgloRoetgLne	0.1/ 0	U	0.1/ 0	1.00
TricgloRoetgene	0.Av/	J	0.1v0	1.00
1,1,1-TricgloRoetgLne	0.140	U	0.140	1.00
1,1-p icgloRoetgLne	0.1A6	J	0.110	1.00
1,2-p icgloRoSroSLne	0.160	U	0.160	1.00
2,2-p icgloRoSroSLne	0.1A0	U	0.1A0	1.00
p ibromometgLne	0.420	U	0.420	1.00
CgloRoform	0.1A0	U	0.1A0	1.00
7romoVcgloRoetgLne	0.160	U	0.160	1.00
2-CgloRoetgyl Rnyl etger	0.400	U	0.400	2.00
1,1-p icgloRoSroSene	0.210	U	0.210	1.00
cis-1,A-p icgloRoSroSene	0.1v0	U	0.1v0	1.00
Toluene	0.140	U	0.140	1.00
trLns-1,A-p icgloRoSroSene	0.210	U	0.210	1.00
1,1,2-TricgloRoetgLne	0.2v0	U	0.2v0	1.00
TetrLcgloRoetgene	0.261	J	0.1A0	1.00
1,A-p icgloRoSroSLne	0.220	U	0.220	1.00
CgloRoWbromometgLne	0.140	U	0.140	1.00
1,2-p ibromoetgLne	0.1v0	U	0.1v0	1.00
CgloRobenzene	0.120	U	0.120	1.00
1,1,1,2-TetrLcgloRoetgLne	0.1v0	U	0.1v0	1.00
Etgylbenzene	0.110	U	0.110	1.00
m-Xylene & S-Xylene	0.150	U	0.150	1.00
Xylenes, TotLI	0.260	U	0.260	1.00
o-Xylene	0.120	U	0.120	1.00
atyrene	0.0500	U	0.0500	1.00
7romoform	0.190	U	0.190	1.00
IsoSroSylbenzene	0.1v0	U	0.1v0	1.00
7romobenzene	0.190	U	0.190	1.00
1,2,A-TricgloRoSroSLne	0.290	U	0.290	1.00
1,1,2,2-TetrLcgloRoetgLne	0.220	U	0.220	1.00

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-100925-1

Client Sample ID: ARTESIA-MW26-10142014

3Lb aLmSle Ip: 600-100925-1

Client MLtriD x Lter

pLte aLmSleW 10d1/ d201/ 1444

pLte 8ecciReW 10d1d201/ 1002

8260B Volatile Organic Compounds (GC/MS)

VnLlysis MetgoW	v2607	VnLlysis 7Ltcg:	600-1/ 5511	Instrument Ip:	CHhOVMA05
PreS MetgoW	40A07	PreS 7Ltcg:	Nd/	3Lb Bile Ip:	V29909.p
pilution:	1.0			InitiLi x eiFgtth olume:	20 m3
VnLlysis pLte:	10d26d201/ 1/ 11			BinLi x eiFgtth olume:	20 m3
PreS pLte:	10d26d201/ 1/ 11				

VnLlyte	8result (uFdB)	QuLlifier	Mp3	83
N-ProSylbenzene	0.140	U	0.140	1.00
2-Cglorotoluene	0.1A0	U	0.1A0	1.00
/ -Cglorotoluene	0.1/ 0	U	0.1/ 0	1.00
1,A4-Trimetgylbenzene	0.100	U	0.100	1.00
tert-7 utylbenzene	0.0v00	U	0.0v00	1.00
S-IsoSroSyltoluene	0.100	U	0.100	1.00
1,2,/ -Trimetgylbenzene	0.1/ 0	U	0.1/ 0	1.00
sec-7 utylbenzene	0.120	U	0.120	1.00
1,A-p icglorobenzene	0.1A0	U	0.1A0	1.00
1,/ -p icglorobenzene	0.110	U	0.110	1.00
1,2-p icglorobenzene	0.100	U	0.100	1.00
n-7 utylbenzene	0.160	U	0.160	1.00
1,2-p ibromo-A-CgloroSroSLne	0.v10	U	0.v10	1.00
1,2,/ -Tricglorobenzene	0.A10	U	0.A10	1.00
HeDLcglorobutLWene	0.150	U	0.150	1.00
NLSgtgLlene	0.A20	U	0.A20	2.00
1,2,A-Tricglorobenzene	0.450	U *	0.450	1.00

aurroFLte	%8 ec	QuLlifier	VcceStLnce 3imits
/ -7 romofluorobenzene	v/		65 - 1A9
pibromofluorometgLne	106		62 - 1A0
Toluene-W (aurr)	122		50 - 1A0
1,2-p icgloroetgLne-W (aurr)	v9		40 - 1A/

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-100925-1

Client Sample ID: ARTESIA-TB01-10142014

3Lb aLmSle Ip: 600-100925-2

pLte aLmSleW 10d1/ d201/ 1400

Client MLtriD x Lter

pLte 8eeceReW 10d1d201/ 1002

8260B Volatile Organic Compounds (GC/MS)

VnLlysis MetgoW	v2607	VnLlysis 7Ltcg:	600-1/ 55A2	Instrument Ip:	CHhOVMa05
PreS MetgoW	40A07	PreS 7Ltcg:	Nd/	3Lb Bile Ip:	VA0004.p
pilution:	1.0			InitiLI x eiFgtdh volume:	20 m3
VnLlysis pLte:	10d25d201/ 122v			BinLI x eiFgtdh volume:	20 m3
PreSpLte:	10d25d201/ 122v				

VnLlyte	8esult (uFdB)	QuLlifier	Mp3	83
p icgloVfluorometgLne	0.120	U	0.120	1.00
CglorometgLne	0.1v0	U	0.1v0	2.00
h inyl cgloriV	0.110	U	0.110	2.00
7 romometgLne	0.240	U	0.240	2.00
CgloroetgLne	0.0v00	U	0.0v00	2.00
TricgloVfluorometgLne	0.0v00	U	0.0v00	1.00
1,1-p icgloVroetgene	0.190	U	0.190	1.00
trLns-1,2-p icgloVroetgene	0.0900	U	0.0900	1.00
Metgyl tert-butyl etger	0.120	U	0.120	1.00
Metgylene CgloriV	1.02	J 7	0.140	4.00
cis-1,2-p icgloVroetgene	0.0600	U	0.0600	1.00
2-7 utLnone (MEK)	0.560	U	0.560	2.00
7 romocgloVrometgLne	0.1v0	U	0.1v0	1.00
CLrbon tetrLcgloriV	0.140	U	0.140	1.00
7 enzene	0.626	J	0.0v00	1.00
1,2-p icgloVroetgLne	0.1/ 0	U	0.1/ 0	1.00
TricgloVroetgene	0.1v0	U	0.1v0	1.00
1,1,1-TricgloVroetgLne	0.140	U	0.140	1.00
1,1-p icgloVroetgLne	0.110	U	0.110	1.00
1,2-p icgloVroSroSLne	0.160	U	0.160	1.00
2,2-p icgloVroSroSLne	0.1A0	U	0.1A0	1.00
p ibromometgLne	0.420	U	0.420	1.00
CgloVroform	0.1A0	U	0.1A0	1.00
7 romoVcglorometgLne	0.160	U	0.160	1.00
2-CgloVroetgyl Rnyl etger	0.400	U	0.400	2.00
1,1-p icgloVroSroSene	0.210	U	0.210	1.00
cis-1,A-p icgloVroSroSene	0.1v0	U	0.1v0	1.00
Toluene	0.140	U	0.140	1.00
trLns-1,A-p icgloVroSroSene	0.210	U	0.210	1.00
1,1,2-TricgloVroetgLne	0.2v0	U	0.2v0	1.00
TetrLcglorietgene	0.1A0	U	0.1A0	1.00
1,A-p icgloVroSroSLne	0.220	U	0.220	1.00
CgloVroVbromometgLne	0.140	U	0.140	1.00
1,2-p ibromoetgLne	0.1v0	U	0.1v0	1.00
CgloVrobenzene	0.120	U	0.120	1.00
1,1,1,2-TetrLcglorietgLne	0.1v0	U	0.1v0	1.00
Etgylbenzene	0.110	U	0.110	1.00
m-Xylene & S-Xylene	0.150	U	0.150	1.00
Xylenes, TotLI	0.260	U	0.260	1.00
o-Xylene	0.120	U	0.120	1.00
atyrene	0.0500	U	0.0500	1.00
7 romoform	0.190	U	0.190	1.00
IsoSroSylbenzene	0.1v0	U	0.1v0	1.00
7 romobenzene	0.190	U	0.190	1.00
1,2,A-TricgloVroSroSLne	0.290	U	0.290	1.00
1,1,2,2-TetrLcglorietgLne	0.220	U	0.220	1.00

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-100925-1

Client Sample ID: ARTESIA-TB01-10142014

3Lb aLmSle Ip: 600-100925-2

Client MLtriD x Lter

pLte aLmSleW 10d1/ d201/ 1400

pLte 8ecciReW 10d1d201/ 1002

8260B Volatile Organic Compounds (GC/MS)

VnLlysis MetgoW	v2607	VnLlysis 7Ltcg:	600-1/ 55A2	Instrument Ip:	CHhOVMA05
PreS MetgoW	40A07	PreS 7Ltcg:	Nd/	3Lb Bile Ip:	VA0004.p
pilution:	1.0			InitiLi x eiFgth volume:	20 m3
VnLlysis pLte:	10d25d201/ 122v			BinLI x eiFgth volume:	20 m3
PreS pLte:	10d25d201/ 122v				

VnLlyte	8esult (uFdB)	QuLlifier	Mp3	83
N-ProSylbenzene	0.140	U	0.140	1.00
2-Cglorotoluene	0.1A0	U	0.1A0	1.00
/ -Cglorotoluene	0.1/ 0	U	0.1/ 0	1.00
1,A4-Trimetgylbenzene	0.100	U	0.100	1.00
tert-7 utylbenzene	0.0v00	U	0.0v00	1.00
S-IsoSroSyltoluene	0.100	U	0.100	1.00
1,2,/ -Trimetgylbenzene	0.1/ 0	U	0.1/ 0	1.00
sec-7 utylbenzene	0.120	U	0.120	1.00
1,A-p icglorobenzene	0.1A0	U	0.1A0	1.00
1,/ -p icglorobenzene	0.110	U	0.110	1.00
1,2-p icglorobenzene	0.100	U	0.100	1.00
n-7 utylbenzene	0.160	U	0.160	1.00
1,2-p ibromo-A-CgloroSroSLne	0.v10	U	0.v10	1.00
1,2,/ -Tricglorobenzene	0.A10	U	0.A10	1.00
HeDLcglorobutLWene	0.150	U	0.150	1.00
NLSgtgLlene	0.A20	U	0.A20	2.00
1,2,A-Tricglorobenzene	0.450	U *	0.450	1.00

aurroFLte	%8 ec	QuLlifier	VcceStLnce 3imits
/ -7 romofluorobenzene	v2		65 - 1A9
pibromofluorometgLne	100		62 - 1A0
Toluene-W (aurr)	120		50 - 1A0
1,2-p icgloroetgLne-W (aurr)	v5		40 - 1A

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-100925-1

Client Sample ID: ARTESIA-MW33-10152014

3Lb aLmSle Ip: 600-100925-A
Client MLtriD x Lter

pLte aLmSleW 10d14d201/ 0914
pLte 8eeceReW 10d21d201/ 1002

8260B Volatile Organic Compounds (GC/MS)

VnLlysis MetgoW	v2607	VnLlysis 7Ltcg:	600-1/ 5511	Instrument Ip:	CHhOVMa05
PreS MetgoW	40A07	PreS 7Ltcg:	Nd/	3Lb Bile Ip:	V29910.p
pilution:	1.0			InitiLI x eiFgtdholume:	20 m3
VnLlysis pLte:	10d26d201/ 1/ A9			BinLI x eiFgtdholume:	20 m3
PreS pLte:	10d26d201/ 1/ A9				

VnLlyte	8esult (uFdB)	QuLlifier	Mp3	83
p icgloVfluorometgLne	0.120	U	0.120	1.00
CglorometgLne	0.1v0	U	0.1v0	2.00
h inyl cgloV	0.110	U	0.110	2.00
7 romometgLne	0.240	U	0.240	2.00
CgloVmetgLne	0.0v00	U	0.0v00	2.00
TricgloVfluorometgLne	0.0v00	U	0.0v00	1.00
1,1-p icgloVetgene	0.190	U	0.190	1.00
trLns-1,2-p icgloVetgene	0.0900	U	0.0900	1.00
Metgyl tert-butyl etger	0.120	U	0.120	1.00
Metgylene CgloV	0.140	U	0.140	4.00
cis-1,2-p icgloVetgene	0.0600	U	0.0600	1.00
2-7 utLnone (MEK)	0.560	U	0.560	2.00
7 romocgloVmetgLne	0.1v0	U	0.1v0	1.00
CLrbon tetrLcgloV	0.140	U	0.140	1.00
7 enzene	0.0v00	U	0.0v00	1.00
1,2-p icgloVetgLne	0.1/ 0	U	0.1/ 0	1.00
TricgloVetgene	0.1v0	U	0.1v0	1.00
1,1,1-TricgloVetgLne	0.140	U	0.140	1.00
1,1-p icgloVetgLne	0.110	U	0.110	1.00
1,2-p icgloVroSLne	0.160	U	0.160	1.00
2,2-p icgloVroSLne	0.1A0	U	0.1A0	1.00
p ibromometgLne	0.420	U	0.420	1.00
CgloVform	0.1A0	U	0.1A0	1.00
7 romoVcglorometgLne	0.160	U	0.160	1.00
2-CgloVetgyl Rnyl etger	0.400	U	0.400	2.00
1,1-p icgloVroSene	0.210	U	0.210	1.00
cis-1,A-p icgloVroSene	0.1v0	U	0.1v0	1.00
Toluene	0.140	U	0.140	1.00
trLns-1,A-p icgloVroSene	0.210	U	0.210	1.00
1,1,2-TricgloVetgLne	0.2v0	U	0.2v0	1.00
TetrLcgloVetgene	0.1A0	U	0.1A0	1.00
1,A-p icgloVroSLne	0.220	U	0.220	1.00
CgloVbromometgLne	0.140	U	0.140	1.00
1,2-p ibromoetgLne	0.1v0	U	0.1v0	1.00
CgloVbenzene	0.120	U	0.120	1.00
1,1,1,2-TetrLcgloVetgLne	0.1v0	U	0.1v0	1.00
Etgylbenzene	0.110	U	0.110	1.00
m-Xylene & S-Xylene	0.150	U	0.150	1.00
Xylenes, TotLI	0.260	U	0.260	1.00
o-Xylene	0.120	U	0.120	1.00
atyrene	0.0500	U	0.0500	1.00
7 romoform	0.190	U	0.190	1.00
IsoSroSylbenzene	0.1v0	U	0.1v0	1.00
7 romobenzene	0.190	U	0.190	1.00
1,2,A-TricgloVroSLne	0.290	U	0.290	1.00
1,1,2,2-TetrLcgloVetgLne	0.220	U	0.220	1.00

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-100925-1

Client Sample ID: ARTESIA-MW33-10152014

3Lb aLmSle Ip: 600-100925-A
Client MLtriD x Lter

pLte aLmSleW 10d14d201/ 0914
pLte 8ecciReW 10d21d201/ 1002

8260B Volatile Organic Compounds (GC/MS)

VnLlysis MetgoW	v2607	VnLlysis 7Ltcg:	600-1/ 5511	Instrument Ip:	CHhOVMA05
PreS MetgoW	40A07	PreS 7Ltcg:	Nd/	3Lb Bile Ip:	V29910.p
pilution:	1.0			InitiLi x eiFgtdh olume:	20 m3
VnLlysis pLte:	10d26d201/ 1/ A9			BinLi x eiFgtdh olume:	20 m3
PreS pLte:	10d26d201/ 1/ A9				

VnLlyte	8esult (uFdB)	QuLlifier	Mp3	83
N-ProSylbenzene	0.140	U	0.140	1.00
2-Cglorotoluene	0.1A0	U	0.1A0	1.00
/ -Cglorotoluene	0.1/ 0	U	0.1/ 0	1.00
1,A4-Trimetgylbenzene	0.100	U	0.100	1.00
tert-7 utylbenzene	0.0v00	U	0.0v00	1.00
S-IsoSroSyltoluene	1.v2		0.100	1.00
1,2,/ -Trimetgylbenzene	0.1/ 0	U	0.1/ 0	1.00
sec-7 utylbenzene	0.120	U	0.120	1.00
1,A-p icglorobenzene	0.1A0	U	0.1A0	1.00
1,/ -p icglorobenzene	0.110	U	0.110	1.00
1,2-p icglorobenzene	0.100	U	0.100	1.00
n-7 utylbenzene	0.160	U	0.160	1.00
1,2-p ibromo-A-CgloroSroSLne	0.v10	U	0.v10	1.00
1,2,/ -Tricglorobenzene	0.A10	U	0.A10	1.00
HeDLcglorobutLWene	0.150	U	0.150	1.00
NLSgtgLlene	0.A20	U	0.A20	2.00
1,2,A-Tricglorobenzene	0.450	U *	0.450	1.00

aurroFLte	%8 ec	QuLlifier	VcceStLnce 3imits
/ -7 romofluorobenzene	v/		65 - 1A9
pibromofluorometgLne	10A		62 - 1A0
Toluene-W (aurr)	122		50 - 1A0
1,2-p icgloroetgLne-W (aurr)	v9		40 - 1A/

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-100925-1

Client Sample ID: ARTESIA-MW29-10152014

3Lb aLmSle Ip: 600-100925-/
Client MLtriD x Lter

pLte aLmSleW 10d14d201/ 1044
pLte 8eeceReW 10d21d201/ 1002

8260B Volatile Organic Compounds (GC/MS)

VnLlysis MetgoW	v2607	VnLlysis 7Ltcg:	600-1/ 5511	Instrument Ip:	CHhOVMa05
PreS MetgoW	40A07	PreS 7Ltcg:	Nd/	3Lb Bile Ip:	V29911.p
pilution:	1.0			InitiLI x eiFgtdholume:	20 m3
VnLlysis pLte:	10d26d201/ 140v			BinLI x eiFgtdholume:	20 m3
PreSpLte:	10d26d201/ 140v				

VnLlyte	8result (uFdB)	QuLlifier	Mp3	83
p icgloRoWfluorometgLne	0.120	U	0.120	1.00
CgloRoetgLne	0.1v0	U	0.1v0	2.00
h inyl cgloRiV	0.110	U	0.110	2.00
7 romometgLne	0.240	U	0.240	2.00
CgloRoetgLne	0.0v00	U	0.0v00	2.00
TricgloRofluorometgLne	0.0v00	U	0.0v00	1.00
1,1-p icgloRoetgene	2Av		0.190	1.00
trLns-1,2-p icgloRoetgene	0.0900	U	0.0900	1.00
Metgyl tert-butyl etger	1.21		0.120	1.00
Metgylene CgloRiV	0.140	U	0.140	4.00
cis-1,2-p icgloRoetgene	0.A41	J	0.0600	1.00
2-7 utLnone (MEK)	0.560	U	0.560	2.00
7 romocgloRoetgLne	0.1v0	U	0.1v0	1.00
CLrbon tetrLcgloRiV	0.140	U	0.140	1.00
7 enzene	0.0v00	U	0.0v00	1.00
1,2-p icgloRoetgLne	0.1/ 0	U	0.1/ 0	1.00
TricgloRoetgene	4.0A		0.1v0	1.00
1,1,1-TricgloRoetgLne	0.140	U	0.140	1.00
1,1-p icgloRoetgLne	A.50		0.110	1.00
1,2-p icgloRoSroSLne	0.160	U	0.160	1.00
2,2-p icgloRoSroSLne	0.1A0	U	0.1A0	1.00
p ibromometgLne	0.420	U	0.420	1.00
CgloRoform	0.1A0	U	0.1A0	1.00
7 romoVcglorometgLne	0.160	U	0.160	1.00
2-CgloRoetgyl Rnyl etger	0.400	U	0.400	2.00
1,1-p icgloRoSroSene	0.210	U	0.210	1.00
cis-1,A-p icgloRoSroSene	0.1v0	U	0.1v0	1.00
Toluene	0.140	U	0.140	1.00
trLns-1,A-p icgloRoSroSene	0.210	U	0.210	1.00
1,1,2-TricgloRoetgLne	0.2v0	U	0.2v0	1.00
TetrLcgloRoetgene	v.v/		0.1A0	1.00
1,A-p icgloRoSroSLne	0.220	U	0.220	1.00
CgloRoVbromometgLne	0.140	U	0.140	1.00
1,2-p ibromoetgLne	0.1v0	U	0.1v0	1.00
CgloRobenzene	0.120	U	0.120	1.00
1,1,1,2-TetrLcgloRoetgLne	0.1v0	U	0.1v0	1.00
Etgylbenzene	0.110	U	0.110	1.00
m-Xylene & S-Xylene	0.150	U	0.150	1.00
Xylenes, TotLI	0.260	U	0.260	1.00
o-Xylene	0.120	U	0.120	1.00
atyrene	0.0500	U	0.0500	1.00
7 romoform	0.190	U	0.190	1.00
IsoSroSylbenzene	0.1v0	U	0.1v0	1.00
7 romobenzene	0.190	U	0.190	1.00
1,2,A-TricgloRoSroSLne	0.290	U	0.290	1.00
1,1,2,2-TetrLcgloRoetgLne	0.220	U	0.220	1.00

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-100925-1

Client Sample ID: ARTESIA-MW29-10152014

3Lb aLmSle Ip: 600-100925-/
Client MLtriD x Lter

pLte aLmSleW 10d14d201/ 1044
pLte 8ecciReW 10d21d201/ 1002

8260B Volatile Organic Compounds (GC/MS)

VnLlysis MetgoW	v2607	VnLlysis 7Ltcg:	600-1/ 5511	Instrument Ip:	CHhOVMA05
PreS MetgoW	40A07	PreS 7Ltcg:	Nd/	3Lb Bile Ip:	V29911.p
pilution:	1.0			InitiLI x eiFgtth olume:	20 m3
VnLlysis pLte:	10d26d201/ 140v			BinLI x eiFgtth olume:	20 m3
PreS pLte:	10d26d201/ 140v				

VnLlyte	8esult (uFdB)	QuLlifier	Mp3	83
N-ProSylbenzene	0.140	U	0.140	1.00
2-Cglorotoluene	0.1A0	U	0.1A0	1.00
/ -Cglorotoluene	0.1/ 0	U	0.1/ 0	1.00
1,A4-Trimetgylbenzene	0.100	U	0.100	1.00
tert-7 utylbenzene	0.0v00	U	0.0v00	1.00
S-IsoSroSyltoluene	1.v2		0.100	1.00
1,2,/ -Trimetgylbenzene	0.1/ 0	U	0.1/ 0	1.00
sec-7 utylbenzene	0.120	U	0.120	1.00
1,A-p icglorobenzene	0.1A0	U	0.1A0	1.00
1,/ -p icglorobenzene	0.110	U	0.110	1.00
1,2-p icglorobenzene	0.100	U	0.100	1.00
n-7 utylbenzene	0.160	U	0.160	1.00
1,2-p ibromo-A-CgloroSroSLne	0.v10	U	0.v10	1.00
1,2,/ -Tricglorobenzene	0.A10	U	0.A10	1.00
HeDLcglorobutLWene	0.150	U	0.150	1.00
NLSgtgLlene	0.A20	U	0.A20	2.00
1,2,A-Tricglorobenzene	0.450	U *	0.450	1.00

aurroFLte	%8 ec	QuLlifier	VcceStLnce 3imits
/ -7 romofluorobenzene	55		65 - 1A9
pibromofluorometgLne	104		62 - 1A0
Toluene-W (aurr)	119		50 - 1A0
1,2-p icgloroetgLne-W (aurr)	92		40 - 1A

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-100925-1

Client Sample ID: ARTESIA-MW30-10152014

3Lb aLmSle Ip: 600-100925-4

Client MLtriD x Lter

pLte aLmSleW 10d14d201/ 11A4

pLte 8eeceReW 10d1d201/ 1002

8260B Volatile Organic Compounds (GC/MS)

VnLlysis MetgoW	v2607	VnLlysis 7Ltcg:	600-1/ 5511	Instrument Ip:	CHhOVMa05
PreS MetgoW	40A07	PreS 7Ltcg:	Nd/	3Lb Bile Ip:	V29912.p
pilution:	1.0			InitiLI x eiFgtH volume:	20 m3
VnLlysis pLte:	10d26d201/ 14A6			BinLI x eiFgtH volume:	20 m3
PreS pLte:	10d26d201/ 14A6				

VnLlyte	8result (uFdB)	QuLlifier	Mp3	83
p icgloRoWfluorometgLne	0.120	U	0.120	1.00
CgloRoetgLne	0.1v0	U	0.1v0	2.00
h inyl cgloRiV	0.110	U	0.110	2.00
7 romometgLne	0.240	U	0.240	2.00
CgloRoetgLne	0.0v00	U	0.0v00	2.00
TricgloRofluorometgLne	0.0v00	U	0.0v00	1.00
1,1-p icgloRoetgene	22.1		0.190	1.00
trLns-1,2-p icgloRoetgene	0.0900	U	0.0900	1.00
Metgyl tert-butyl etger	0.120	U	0.120	1.00
Metgylene CgloRiV	0.140	U	0.140	4.00
cis-1,2-p icgloRoetgene	0.1v0	J	0.0600	1.00
2-7 utLnone (MEK)	0.560	U	0.560	2.00
7 romocgloRoetgLne	0.1v0	U	0.1v0	1.00
CLrbon tetrLcgloRiV	0.140	U	0.140	1.00
7 enzene	0.0v00	U	0.0v00	1.00
1,2-p icgloRoetgLne	0.16/	J	0.1/ 0	1.00
TricgloRoetgene	4.v0		0.1v0	1.00
1,1,1-TricgloRoetgLne	0.140	U	0.140	1.00
1,1-p icgloRoetgLne	6.06		0.110	1.00
1,2-p icgloRoSroSLne	0.160	U	0.160	1.00
2,2-p icgloRoSroSLne	0.1A0	U	0.1A0	1.00
p ibromometgLne	0.420	U	0.420	1.00
CgloRoform	0.1A0	U	0.1A0	1.00
7 romoWcglorometgLne	0.160	U	0.160	1.00
2-CgloRoetgyl Rnyl etger	0.400	U	0.400	2.00
1,1-p icgloRoSroSene	0.210	U	0.210	1.00
cis-1,A-p icgloRoSroSene	0.1v0	U	0.1v0	1.00
Toluene	0.140	U	0.140	1.00
trLns-1,A-p icgloRoSroSene	0.210	U	0.210	1.00
1,1,2-TricgloRoetgLne	0.2v0	U	0.2v0	1.00
TetrLcgloRoetgene	20.4		0.1A0	1.00
1,A-p icgloRoSroSLne	0.220	U	0.220	1.00
CgloRoWbromometgLne	0.140	U	0.140	1.00
1,2-p ibromoetgLne	0.1v0	U	0.1v0	1.00
CgloRobenzene	0.120	U	0.120	1.00
1,1,1,2-TetrLcgloRoetgLne	0.1v0	U	0.1v0	1.00
Etgylbenzene	0.110	U	0.110	1.00
m-Xylene & S-Xylene	0.150	U	0.150	1.00
Xylenes, TotLI	0.260	U	0.260	1.00
o-Xylene	0.120	U	0.120	1.00
atyrene	0.0500	U	0.0500	1.00
7 romoform	0.190	U	0.190	1.00
IsoSroSylbenzene	0.1v0	U	0.1v0	1.00
7 romobenzene	0.190	U	0.190	1.00
1,2,A-TricgloRoSroSLne	0.290	U	0.290	1.00
1,1,2,2-TetrLcgloRoetgLne	0.220	U	0.220	1.00

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-100925-1

Client Sample ID: ARTESIA-MW30-10152014

3Lb aLmSle Ip: 600-100925-4

Client MLtriD x Lter

pLte aLmSleW 10d14d201/ 11A4

pLte 8ecciReW 10d21d201/ 1002

8260B Volatile Organic Compounds (GC/MS)

VnLlysis MetgoW	v2607	VnLlysis 7Ltcg:	600-1/ 5511	Instrument Ip:	CHhOVMA05
PreS MetgoW	40A07	PreS 7Ltcg:	Nd/	3Lb Bile Ip:	V29912.p
pilution:	1.0			InitiLI x eiFgtth olume:	20 m3
VnLlysis pLte:	10d26d201/ 14A6			BinLI x eiFgtth olume:	20 m3
PreS pLte:	10d26d201/ 14A6				

VnLlyte	8esult (uFdB)	QuLlifier	Mp3	83
N-ProSylbenzene	0.140	U	0.140	1.00
2-Cglorotoluene	0.1A0	U	0.1A0	1.00
/ -Cglorotoluene	0.1/ 0	U	0.1/ 0	1.00
1,A4-Trimetgylbenzene	0.100	U	0.100	1.00
tert-7 utylbenzene	0.0v00	U	0.0v00	1.00
S-IsoSroSyltoluene	0.100	U	0.100	1.00
1,2,/ -Trimetgylbenzene	0.1/ 0	U	0.1/ 0	1.00
sec-7 utylbenzene	0.120	U	0.120	1.00
1,A-p icglorobenzene	0.1A0	U	0.1A0	1.00
1,/ -p icglorobenzene	0.110	U	0.110	1.00
1,2-p icglorobenzene	0.100	U	0.100	1.00
n-7 utylbenzene	0.160	U	0.160	1.00
1,2-p ibromo-A-CgloroSroSLne	0.v10	U	0.v10	1.00
1,2,/ -Tricglorobenzene	0.A10	U	0.A10	1.00
HeDLcglorobutLWene	0.150	U	0.150	1.00
NLSgtgLlene	0.A20	U	0.A20	2.00
1,2,A-Tricglorobenzene	0.450	U *	0.450	1.00

aurroFLte	%8 ec	QuLlifier	VcceStLnce 3imits
/ -7 romofluorobenzene	v1		65 - 1A9
pibromofluorometgLne	105		62 - 1A0
Toluene-W (aurr)	116		50 - 1A0
1,2-p icgloroetgLne-W (aurr)	92		40 - 1A

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-100925-1

Client Sample ID: ARTESIA-MW28-10152014

3Lb aLmSle Ip: 600-100925-6

pLte aLmSleW 10d14d201/ 1210

Client MLtriD x Lter

pLte 8eeceReW 10d1d201/ 1002

8260B Volatile Organic Compounds (GC/MS)

VnLlysis MetgoW	v2607	VnLlysis 7Ltcg:	600-1/ 5511	Instrument Ip:	CHhOVMa05
PreS MetgoW	40A07	PreS 7Ltcg:	Nd/	3Lb Bile Ip:	V2991A.p
pilution:	1.0			InitiLI x eiFgtdholume:	20 m3
VnLlysis pLte:	10d26d201/ 160/			BinLI x eiFgtdholume:	20 m3
PreSpLte:	10d26d201/ 160/				

VnLlyte	8result (uFdB)	QuLlifier	Mp3	83
p icgloRoWfluorometgLne	0.120	U	0.120	1.00
CgloRoetgLne	0.1v0	U	0.1v0	2.00
h inyl cgloRiV	0.110	U	0.110	2.00
7romometgLne	0.240	U	0.240	2.00
CgloRoetgLne	0.0v00	U	0.0v00	2.00
TricgloRofluorometgLne	0.0v00	U	0.0v00	1.00
1,1-p icgloRoetgene	A6.1		0.190	1.00
trLns-1,2-p icgloRoetgene	0.0900	U	0.0900	1.00
Metgyl tert-butyl etger	1.29		0.120	1.00
Metgylene CgloRiV	0.140	U	0.140	4.00
cis-1,2-p icgloRoetgene	0./ A2	J	0.0600	1.00
2-7 utLnone (MEK)	0.560	U	0.560	2.00
7romocgloRoetgLne	0.1v0	U	0.1v0	1.00
CLrbon tetrLcgloRiV	0.140	U	0.140	1.00
7enzene	0.10A	J	0.0v00	1.00
1,2-p icgloRoetgLne	0.196	J	0.1/ 0	1.00
TricgloRoetgene	v.5A		0.1v0	1.00
1,1,1-TricgloRoetgLne	0.140	U	0.140	1.00
1,1-p icgloRoetgLne	v.v9		0.110	1.00
1,2-p icgloRoSroSLne	0.160	U	0.160	1.00
2,2-p icgloRoSroSLne	0.1A0	U	0.1A0	1.00
pibromometgLne	0.420	U	0.420	1.00
CgloRoform	0.1A0	U	0.1A0	1.00
7romoVcglorometgLne	0.160	U	0.160	1.00
2-CgloRoetgyl Rnyl etger	0.400	U	0.400	2.00
1,1-p icgloRoSroSene	0.210	U	0.210	1.00
cis-1,A-p icgloRoSroSene	0.1v0	U	0.1v0	1.00
Toluene	0.140	U	0.140	1.00
trLns-1,A-p icgloRoSroSene	0.210	U	0.210	1.00
1,1,2-TricgloRoetgLne	0.2v0	U	0.2v0	1.00
TetrLcgloRoetgene	22./		0.1A0	1.00
1,A-p icgloRoSroSLne	0.220	U	0.220	1.00
CgloRoWbromometgLne	0.140	U	0.140	1.00
1,2-p ibromoetgLne	0.1v0	U	0.1v0	1.00
CgloRobenzene	0.120	U	0.120	1.00
1,1,1,2-TetrLcgloRoetgLne	0.1v0	U	0.1v0	1.00
Etgylbenzene	0.110	U	0.110	1.00
m-Xylene & S-Xylene	0.150	U	0.150	1.00
Xylenes, TotLI	0.260	U	0.260	1.00
o-Xylene	0.120	U	0.120	1.00
atyrene	0.0500	U	0.0500	1.00
7romoform	0.190	U	0.190	1.00
IsoSroSylbenzene	0.1v0	U	0.1v0	1.00
7romobenzene	0.190	U	0.190	1.00
1,2,A-TricgloRoSroSLne	0.290	U	0.290	1.00
1,1,2,2-TetrLcgloRoetgLne	0.220	U	0.220	1.00

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-100925-1

Client Sample ID: ARTESIA-MW28-10152014

3Lb aLmSle Ip: 600-100925-6

Client MLtriD x Lter

pLte aLmSleW 10d14d201/ 1210

pLte 8ecciReW 10d21d201/ 1002

8260B Volatile Organic Compounds (GC/MS)

VnLlysis MetgoW	v2607	VnLlysis 7Ltcg:	600-1/ 5511	Instrument Ip:	CHhOVMA05
PreS MetgoW	40A07	PreS 7Ltcg:	Nd/	3Lb Bile Ip:	V2991A.p
p ilution:	1.0			InitiLI x eiFgtth olume:	20 m3
VnLlysis pLte:	10d26d201/ 160/			BinLI x eiFgtth olume:	20 m3
PreS pLte:	10d26d201/ 160/				

VnLlyte	8 result (uFdB)	QuLlifier	Mp 3	8 3
N-ProSylbenzene	0.140	U	0.140	1.00
2-Cglorotoluene	0.1A0	U	0.1A0	1.00
/ -Cglorotoluene	0.1/ 0	U	0.1/ 0	1.00
1,A4-Trimetgylbenzene	0.100	U	0.100	1.00
tert-7 utylbenzene	0.0v00	U	0.0v00	1.00
S-IsoSroSyltoluene	0.100	U	0.100	1.00
1,2,/ -Trimetgylbenzene	0.1/ 0	U	0.1/ 0	1.00
sec-7 utylbenzene	0.120	U	0.120	1.00
1,A-p icglorobenzene	0.1A0	U	0.1A0	1.00
1,/ -p icglorobenzene	0.110	U	0.110	1.00
1,2-p icglorobenzene	0.100	U	0.100	1.00
n-7 utylbenzene	0.160	U	0.160	1.00
1,2-p ibromo-A-CgloroSroSLne	0.v10	U	0.v10	1.00
1,2,/ -Tricglorobenzene	0.A10	U	0.A10	1.00
HeDLcglorobutLWene	0.150	U	0.150	1.00
NLSgtgLlene	0.A20	U	0.A20	2.00
1,2,A-Tricglorobenzene	0.450	U *	0.450	1.00

aurroFLte	%8 ec	QuLlifier	VcceStLnce 3imits
/ -7 romofluorobenzene	v4		65 - 1A9
p ibromofluorometgLne	10/		62 - 1A0
Toluene-W (aurr)	115		50 - 1A0
1,2-p icgloroetgLne-W (aurr)	v9		40 - 1A/

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-100925-1

Client Sample ID: ARTESIA-DUP02-10152014

3Lb aLmSle Ip: 600-100925-5

pLte aLmSleW 10d14d201/ 12/ 4

Client MLtriD x Lter

pLte 8eeceReW 10d1d201/ 1002

8260B Volatile Organic Compounds (GC/MS)

VnLlysis MetgoW	v2607	VnLlysis 7Ltcg:	600-1/ 5511	Instrument Ip:	CHhOVMa05
PreS MetgoW	40A07	PreS 7Ltcg:	Nd/	3Lb Bile Ip:	V2991/ .p
pilution:	1.0			InitiLI x eiFgtH volume:	20 m3
VnLlysis pLte:	10d26d201/ 16AA			BinLI x eiFgtH volume:	20 m3
PreSpLte:	10d26d201/ 16AA				

VnLlyte	8result (uFdB)	QuLlifier	Mp3	83
p icgloRoWfluorometgLne	0.120	U	0.120	1.00
CgloRoetgLne	0.1v0	U	0.1v0	2.00
h inyl cgloRiV	0.110	U	0.110	2.00
7 romometgLne	0.240	U	0.240	2.00
CgloRoetgLne	0.0v00	U	0.0v00	2.00
TricgloRofluorometgLne	0.0v00	U	0.0v00	1.00
1,1-p icgloRoetgene	A5.4		0.190	1.00
trLns-1,2-p icgloRoetgene	0.0900	U	0.0900	1.00
Metgyl tert-butyl etger	1.2v		0.120	1.00
Metgylene CgloRiV	0.140	U	0.140	4.00
cis-1,2-p icgloRoetgene	0.421	J	0.0600	1.00
2-7 utLnone (MEK)	0.560	U	0.560	2.00
7 romocgloRoetgLne	0.1v0	U	0.1v0	1.00
CLrbon tetrLcgloRiV	0.140	U	0.140	1.00
7 enzene	0.0v00	U	0.0v00	1.00
1,2-p icgloRoetgLne	0.1/ 0	U	0.1/ 0	1.00
TricgloRoetgene	9.05		0.1v0	1.00
1,1,1-TricgloRoetgLne	0.140	U	0.140	1.00
1,1-p icgloRoetgLne	9.05		0.110	1.00
1,2-p icgloRoSroSLne	0.160	U	0.160	1.00
2,2-p icgloRoSroSLne	0.1A0	U	0.1A0	1.00
p ibromometgLne	0.420	U	0.420	1.00
CgloRoform	0.1A0	U	0.1A0	1.00
7 romoWcglorometgLne	0.160	U	0.160	1.00
2-CgloRoetgyl Rnyl etger	0.400	U	0.400	2.00
1,1-p icgloRoSroSene	0.210	U	0.210	1.00
cis-1,A-p icgloRoSroSene	0.1v0	U	0.1v0	1.00
Toluene	0.140	U	0.140	1.00
trLns-1,A-p icgloRoSroSene	0.210	U	0.210	1.00
1,1,2-TricgloRoetgLne	0.2v0	U	0.2v0	1.00
TetrLcgloRoetgene	2A6		0.1A0	1.00
1,A-p icgloRoSroSLne	0.220	U	0.220	1.00
CgloRoWbromometgLne	0.140	U	0.140	1.00
1,2-p ibromoetgLne	0.1v0	U	0.1v0	1.00
CgloRobenzene	0.120	U	0.120	1.00
1,1,1,2-TetrLcgloRoetgLne	0.1v0	U	0.1v0	1.00
Etgylbenzene	0.110	U	0.110	1.00
m-Xylene & S-Xylene	0.150	U	0.150	1.00
Xylenes, TotLI	0.260	U	0.260	1.00
o-Xylene	0.120	U	0.120	1.00
atyrene	0.0500	U	0.0500	1.00
7 romoform	0.190	U	0.190	1.00
IsoSroSylbenzene	0.1v0	U	0.1v0	1.00
7 romobenzene	0.190	U	0.190	1.00
1,2,A-TricgloRoSroSLne	0.290	U	0.290	1.00
1,1,2,2-TetrLcgloRoetgLne	0.220	U	0.220	1.00

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-100925-1

Client Sample ID: ARTESIA-DUP02-10152014

3Lb aLmSle Ip: 600-100925-5

Client MLtriD x Lter

pLte aLmSleW 10d14d201/ 12/ 4

pLte 8ecciReW 10d21d201/ 1002

8260B Volatile Organic Compounds (GC/MS)

VnLlysis MetgoW	v2607	VnLlysis 7Ltcg:	600-1/ 5511	Instrument Ip:	CHhOVMA05
PreS MetgoW	40A07	PreS 7Ltcg:	Nd/	3Lb Bile Ip:	V2991/ .p
p ilution:	1.0			InitiLi x eiFgtH olume:	20 m3
VnLlysis pLte:	10d26d201/ 16AA			BinLI x eiFgtH olume:	20 m3
PreS pLte:	10d26d201/ 16AA				

VnLlyte	8esult (uFdB)	QuLlifier	Mp3	83
N-ProSylbenzene	0.140	U	0.140	1.00
2-Cglorotoluene	0.1A0	U	0.1A0	1.00
/ -Cglorotoluene	0.1/ 0	U	0.1/ 0	1.00
1,A4-Trimetgylbenzene	0.100	U	0.100	1.00
tert-7 utylbenzene	0.0v00	U	0.0v00	1.00
S-IsoSroSyltoluene	0.100	U	0.100	1.00
1,2,/ -Trimetgylbenzene	0.1/ 0	U	0.1/ 0	1.00
sec-7 utylbenzene	0.120	U	0.120	1.00
1,A-p icglorobenzene	0.1A0	U	0.1A0	1.00
1,/ -p icglorobenzene	0.110	U	0.110	1.00
1,2-p icglorobenzene	0.100	U	0.100	1.00
n-7 utylbenzene	0.160	U	0.160	1.00
1,2-p ibromo-A-CgloroSroSLne	0.v10	U	0.v10	1.00
1,2,/ -Tricglorobenzene	0.A10	U	0.A10	1.00
HeDLcglorobutLWene	0.150	U	0.150	1.00
NLSgtgLlene	0.A20	U	0.A20	2.00
1,2,A-Tricglorobenzene	0.450	U *	0.450	1.00

aurroFLte	%8 ec	QuLlifier	VcceStLnce 3imits
/ -7 romofluorobenzene	v/		65 - 1A9
p ibromofluorometgLne	10/		62 - 1A0
Toluene-W (aurr)	114		50 - 1A0
1,2-p icgloroetgLne-W (aurr)	90		40 - 1A/

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-100925-1

Client Sample ID: ARTESIA-MW32-10152014

3Lb aLmSle Ip: 600-100925-v
Client MLtriD x Lter

pLte aLmSleW 10d14d201/ 1/ 20
pLte 8eeceReW 10d21d201/ 1002

8260B Volatile Organic Compounds (GC/MS)

VnLlysis MetgoW	v2607	VnLlysis 7Ltcg:	600-1/ 5511	Instrument Ip:	CHhOVMa05
PreS MetgoW	40A07	PreS 7Ltcg:	Nd/	3Lb Bile Ip:	V29914.p
pilution:	1.0			InitiLI x eiFgtH volume:	20 m3
VnLlysis pLte:	10d26d201/ 1502			BinLI x eiFgtH volume:	20 m3
PreSpLte:	10d26d201/ 1502				

VnLlyte	8esult (uFdB)	QuLlifier	Mp3	83
p icgloRoWfluorometgLne	0.120	U	0.120	1.00
CgloRoetgLne	0.1v0	U	0.1v0	2.00
h inyl cgloRiV	0.110	U	0.110	2.00
7 romometgLne	0.240	U	0.240	2.00
CgloRoetgLne	0.0v00	U	0.0v00	2.00
TricgloRofluorometgLne	0.0v00	U	0.0v00	1.00
1,1-p icgloRoetgene	2.96		0.190	1.00
trLns-1,2-p icgloRoetgene	0.0900	U	0.0900	1.00
Metgyl tert-butyl etger	0.120	U	0.120	1.00
Metgylene CgloRiV	0.140	U	0.140	4.00
cis-1,2-p icgloRoetgene	0.0600	U	0.0600	1.00
2-7 utLnone (MEK)	0.560	U	0.560	2.00
7 romocgloRoetgLne	0.1v0	U	0.1v0	1.00
CLrbon tetrLcgloRiV	0.140	U	0.140	1.00
7 enzene	0.0v00	U	0.0v00	1.00
1,2-p icgloRoetgLne	0.1/ 0	U	0.1/ 0	1.00
TricgloRoetgene	0.vv5	J	0.1v0	1.00
1,1,1-TricgloRoetgLne	0.140	U	0.140	1.00
1,1-p icgloRoetgLne	0.60A	J	0.110	1.00
1,2-p icgloRoSroSLne	0.160	U	0.160	1.00
2,2-p icgloRoSroSLne	0.1A0	U	0.1A0	1.00
p ibromometgLne	0.420	U	0.420	1.00
CgloRoform	0.1A0	U	0.1A0	1.00
7 romoVcglorometgLne	0.160	U	0.160	1.00
2-CgloRoetgyl Rnyl etger	0.400	U	0.400	2.00
1,1-p icgloRoSroSene	0.210	U	0.210	1.00
cis-1,A-p icgloRoSroSene	0.1v0	U	0.1v0	1.00
Toluene	0.140	U	0.140	1.00
trLns-1,A-p icgloRoSroSene	0.210	U	0.210	1.00
1,1,2-TricgloRoetgLne	0.2v0	U	0.2v0	1.00
TetrLcgloRoetgene	A/ 1		0.1A0	1.00
1,A-p icgloRoSroSLne	0.220	U	0.220	1.00
CgloRoWbromometgLne	0.140	U	0.140	1.00
1,2-p ibromoetgLne	0.1v0	U	0.1v0	1.00
CgloRobenzene	0.120	U	0.120	1.00
1,1,1,2-TetrLcgloRoetgLne	0.1v0	U	0.1v0	1.00
Etgylbenzene	0.110	U	0.110	1.00
m-Xylene & S-Xylene	0.150	U	0.150	1.00
Xylenes, TotLI	0.260	U	0.260	1.00
o-Xylene	0.120	U	0.120	1.00
atyrene	0.0500	U	0.0500	1.00
7 romoform	0.190	U	0.190	1.00
IsoSroSylbenzene	0.1v0	U	0.1v0	1.00
7 romobenzene	0.190	U	0.190	1.00
1,2,A-TricgloRoSroSLne	0.290	U	0.290	1.00
1,1,2,2-TetrLcgloRoetgLne	0.220	U	0.220	1.00

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-100925-1

Client Sample ID: ARTESIA-MW32-10152014

3Lb aLmSle Ip: 600-100925-v
Client MLtriD x Lter

pLte aLmSleW 10d14d201/ 1/ 20
pLte 8ecciReW 10d21d201/ 1002

8260B Volatile Organic Compounds (GC/MS)

VnLlysis MetgoW	v2607	VnLlysis 7Ltcg:	600-1/ 5511	Instrument Ip:	CHhOVMA05
PreS MetgoW	40A07	PreS 7Ltcg:	Nd/	3Lb Bile Ip:	V29914.p
pilution:	1.0			InitiLI x eiFgtth olume:	20 m3
VnLlysis pLte:	10d26d201/ 1502			BinLI x eiFgtth olume:	20 m3
PreS pLte:	10d26d201/ 1502				

VnLlyte	8esult (uFdB)	QuLlifier	Mp3	83
N-ProSylbenzene	0.140	U	0.140	1.00
2-Cglorotoluene	0.1A0	U	0.1A0	1.00
/ -Cglorotoluene	0.1/ 0	U	0.1/ 0	1.00
1,A4-Trimetgylbenzene	0.100	U	0.100	1.00
tert-7 utylbenzene	0.0v00	U	0.0v00	1.00
S-IsoSroSyltoluene	0.100	U	0.100	1.00
1,2,/ -Trimetgylbenzene	0.1/ 0	U	0.1/ 0	1.00
sec-7 utylbenzene	0.120	U	0.120	1.00
1,A-p icglorobenzene	0.1A0	U	0.1A0	1.00
1,/ -p icglorobenzene	0.110	U	0.110	1.00
1,2-p icglorobenzene	0.100	U	0.100	1.00
n-7 utylbenzene	0.160	U	0.160	1.00
1,2-p ibromo-A-CgloroSroSLne	0.v10	U	0.v10	1.00
1,2,/ -Tricglorobenzene	0.A10	U	0.A10	1.00
HeDLcglorobutLWene	0.150	U	0.150	1.00
NLSgtgLlene	0.A20	U	0.A20	2.00
1,2,A-Tricglorobenzene	0.450	U *	0.450	1.00

aurroFLte	%8 ec	QuLlifier	VcceStLnce 3imits
/ -7 romofluorobenzene	55		65 - 1A9
pibromofluorometgLne	10A		62 - 1A0
Toluene-W (aurr)	119		50 - 1A0
1,2-p icgloroetgLne-W (aurr)	90		40 - 1A

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-100925-1

Client Sample ID: ARTESIA-MW34-10152014

3Lb aLmSle Ip: 600-100925-9

pLte aLmSleW 10d14d201/ 1414

Client MLtriD x Lter

pLte 8eeceReW 10d21d201/ 1002

8260B Volatile Organic Compounds (GC/MS)

VnLlysis MetgoW	v2607	VnLlysis 7Ltcg:	600-1/ 55A2	Instrument Ip:	CHhOVMa05
PreS MetgoW	40A07	PreS 7Ltcg:	Nd/	3Lb Bile Ip:	VA0005.p
pilution:	1.0			InitiLI x eiFgtdh volume:	20 m3
VnLlysis pLte:	10d25d201/ 1A24			BinLI x eiFgtdh volume:	20 m3
PreS pLte:	10d25d201/ 1A24				

VnLlyte	8esult (uFdB)	QuLlifier	Mp3	83
p icgloRoWfluorometgLne	0.120	U	0.120	1.00
CgloRoetgLne	0.1v0	U	0.1v0	2.00
h inyl cgloRiV	0.110	U	0.110	2.00
7 romometgLne	0.240	U	0.240	2.00
CgloRoetgLne	0.0v00	U	0.0v00	2.00
TricgloRofluorometgLne	0.0v00	U	0.0v00	1.00
1,1-p icgloRoetgene	1A1		0.190	1.00
trLns-1,2-p icgloRoetgene	0.0900	U	0.0900	1.00
Metgyl tert-butyl etger	0.120	U	0.120	1.00
Metgylene CgloRiV	0.140	U	0.140	4.00
cis-1,2-p icgloRoetgene	0.1/ 6	J	0.0600	1.00
2-7 utLnone (MEK)	0.560	U	0.560	2.00
7 romocgloRoetgLne	0.1v0	U	0.1v0	1.00
CLrbon tetrLcgloRiV	0.140	U	0.140	1.00
7 enzene	0.0v00	U	0.0v00	1.00
1,2-p icgloRoetgLne	0.1/ 0	U	0.1/ 0	1.00
TricgloRoetgene	2.66		0.1v0	1.00
1,1,1-TricgloRoetgLne	0.140	U	0.140	1.00
1,1-p icgloRoetgLne	/ .06		0.110	1.00
1,2-p icgloRoSroSLne	0.160	U	0.160	1.00
2,2-p icgloRoSroSLne	0.1A0	U	0.1A0	1.00
p ibromometgLne	0.420	U	0.420	1.00
CgloRoform	0.1A0	U	0.1A0	1.00
7 romoWcgloRoetgLne	0.160	U	0.160	1.00
2-CgloRoetgyl Rnyl etger	0.400	U	0.400	2.00
1,1-p icgloRoSroSene	0.210	U	0.210	1.00
cis-1,A-p icgloRoSroSene	0.1v0	U	0.1v0	1.00
Toluene	0.140	U	0.140	1.00
trLns-1,A-p icgloRoSroSene	0.210	U	0.210	1.00
1,1,2-TricgloRoetgLne	0.2v0	U	0.2v0	1.00
TetrLcgloRoetgene	5.42		0.1A0	1.00
1,A-p icgloRoSroSLne	0.220	U	0.220	1.00
CgloRoWbromometgLne	0.140	U	0.140	1.00
1,2-p ibromoetgLne	0.1v0	U	0.1v0	1.00
CgloRobenzene	0.120	U	0.120	1.00
1,1,1,2-TetrLcgloRoetgLne	0.1v0	U	0.1v0	1.00
Etgylbenzene	0.110	U	0.110	1.00
m-Xylene & S-Xylene	0.150	U	0.150	1.00
Xylenes, TotLI	0.260	U	0.260	1.00
o-Xylene	0.120	U	0.120	1.00
atyrene	0.0500	U	0.0500	1.00
7 romoform	0.190	U	0.190	1.00
IsoSroSylbenzene	0.1v0	U	0.1v0	1.00
7 romobenzene	0.190	U	0.190	1.00
1,2,A-TricgloRoSroSLne	0.290	U	0.290	1.00
1,1,2,2-TetrLcgloRoetgLne	0.220	U	0.220	1.00

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-100925-1

Client Sample ID: ARTESIA-MW34-10152014

3Lb aLmSle Ip: 600-100925-9

Client MLtriD x Lter

pLte aLmSleW 10d14d201/ 1414

pLte 8ecciReW 10d21d201/ 1002

8260B Volatile Organic Compounds (GC/MS)

VnLlysis MetgoW	v2607	VnLlysis 7Ltcg:	600-1/ 55A2	Instrument Ip:	CHhOVMA05
PreS MetgoW	40A07	PreS 7Ltcg:	Nd/	3Lb Bile Ip:	VA0005.p
p ilution:	1.0			InitiLi x eiFgtth olume:	20 m3
VnLlysis pLte:	10d25d201/ 1A24			BinLI x eiFgtth olume:	20 m3
PreS pLte:	10d25d201/ 1A24				

VnLlyte	8esult (uFdB)	QuLlifier	Mp3	83
N-ProSylbenzene	0.140	U	0.140	1.00
2-Cglorotoluene	0.1A0	U	0.1A0	1.00
/ -Cglorotoluene	0.1/ 0	U	0.1/ 0	1.00
1,A4-Trimetgylbenzene	0.100	U	0.100	1.00
tert-7 utylbenzene	0.0v00	U	0.0v00	1.00
S-IsoSroSyltoluene	0.100	U	0.100	1.00
1,2,/ -Trimetgylbenzene	0.1/ 0	U	0.1/ 0	1.00
sec-7 utylbenzene	0.120	U	0.120	1.00
1,A-p icglorobenzene	0.1A0	U	0.1A0	1.00
1,/ -p icglorobenzene	0.110	U	0.110	1.00
1,2-p icglorobenzene	0.100	U	0.100	1.00
n-7 utylbenzene	0.160	U	0.160	1.00
1,2-p ibromo-A-CgloroSroSLne	0.v10	U	0.v10	1.00
1,2,/ -Tricglorobenzene	0.A10	U	0.A10	1.00
HeDLcglorobutLWene	0.150	U	0.150	1.00
NLSgtgLlene	0.A20	U	0.A20	2.00
1,2,A-Tricglorobenzene	0.450	U *	0.450	1.00

aurroFLte	%8 ec	QuLlifier	VcceStLnce 3imits
/ -7 romofluorobenzene	v1		65 - 1A9
p ibromofluorometgLne	106		62 - 1A0
Toluene-W (aurr)	116		50 - 1A0
1,2-p icgloroetgLne-W (aurr)	96		40 - 1A/

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-100925-1

Client Sample ID: ARTESIA-MW22-10162014

3Lb aLmSle Ip: 600-100925-10
Client MLtriD x Lter

pLte aLmSleW 10d16d201/ 1020
pLte 8eeceReW 10d21d201/ 1002

8260B Volatile Organic Compounds (GC/MS)

VnLlysis MetgoW	v2607	VnLlysis 7Ltcg:	600-1/ 5511	Instrument Ip:	CHhOVMa05
PreS MetgoW	40A07	PreS 7Ltcg:	Nd/	3Lb Bile Ip:	V29916.p
pilution:	1.0			InitiLI x eiFgtH volume:	20 m3
VnLlysis pLte:	10d26d201/ 15A0			BinLI x eiFgtH volume:	20 m3
PreS pLte:	10d26d201/ 15A0				

VnLlyte	8result (uFdB)	QuLlifier	Mp3	83
p icgloRoWfluorometgLne	0.120	U	0.120	1.00
CgloRoetgLne	0.1v0	U	0.1v0	2.00
h inyl cgloRiVē	0.110	U	0.110	2.00
7 romometgLne	0.240	U	0.240	2.00
CgloRoetgLne	0.0v00	U	0.0v00	2.00
TricgloRofluorometgLne	0.0v00	U	0.0v00	1.00
1,1-p icgloRoetgene	/ .v9		0.190	1.00
trLns-1,2-p icgloRoetgene	0.0900	U	0.0900	1.00
Metgyl tert-butyl etger	0.120	U	0.120	1.00
Metgylene CgloRiVē	0.140	U	0.140	4.00
cis-1,2-p icgloRoetgene	0.0651	J	0.0600	1.00
2-7 utLnone (MEK)	0.560	U	0.560	2.00
7 romocgloRoetgLne	0.1v0	U	0.1v0	1.00
CLrbon tetrLcgloRiVē	0.140	U	0.140	1.00
7 enzene	0.0v00	U	0.0v00	1.00
1,2-p icgloRoetgLne	0.1/ 0	U	0.1/ 0	1.00
TricgloRoetgene	1.A4		0.1v0	1.00
1,1,1-TricgloRoetgLne	0.140	U	0.140	1.00
1,1-p icgloRoetgLne	1.v5		0.110	1.00
1,2-p icgloRoSroSLne	0.160	U	0.160	1.00
2,2-p icgloRoSroSLne	0.1A0	U	0.1A0	1.00
p ibromometgLne	0.420	U	0.420	1.00
CgloRoform	0.1A0	U	0.1A0	1.00
7 romoVcglorometgLne	0.160	U	0.160	1.00
2-CgloRoetgyl Rnyl etger	0.400	U	0.400	2.00
1,1-p icgloRoSroSene	0.210	U	0.210	1.00
cis-1,A-p icgloRoSroSene	0.1v0	U	0.1v0	1.00
Toluene	0.140	U	0.140	1.00
trLns-1,A-p icgloRoSroSene	0.210	U	0.210	1.00
1,1,2-TricgloRoetgLne	0.2v0	U	0.2v0	1.00
TetrLcgloRoetgene	6.6v		0.1A0	1.00
1,A-p icgloRoSroSLne	0.220	U	0.220	1.00
CgloRoWbromometgLne	0.140	U	0.140	1.00
1,2-p ibromoetgLne	0.1v0	U	0.1v0	1.00
CgloRobenzene	0.120	U	0.120	1.00
1,1,1,2-TetrLcgloRoetgLne	0.1v0	U	0.1v0	1.00
Etgylbenzene	0.110	U	0.110	1.00
m-Xylene & S-Xylene	0.150	U	0.150	1.00
Xylenes, TotLI	0.260	U	0.260	1.00
o-Xylene	0.120	U	0.120	1.00
atyrene	0.0500	U	0.0500	1.00
7 romoform	0.190	U	0.190	1.00
IsoSroSylbenzene	0.1v0	U	0.1v0	1.00
7 romobenzene	0.190	U	0.190	1.00
1,2,A-TricgloRoSroSLne	0.290	U	0.290	1.00
1,1,2,2-TetrLcgloRoetgLne	0.220	U	0.220	1.00

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-100925-1

Client Sample ID: ARTESIA-MW22-10162014

3Lb aLmSle Ip: 600-100925-10

Client MLtriD x Lter

pLte aLmSleW 10d16d201/ 1020

pLte 8ecciReW 10d21d201/ 1002

8260B Volatile Organic Compounds (GC/MS)

VnLlysis MetgoW	v2607	VnLlysis 7Ltcg:	600-1/ 5511	Instrument Ip:	CHhOVMa05
PreS MetgoW	40A07	PreS 7Ltcg:	Nd/	3Lb Bile Ip:	V29916.p
p ilution:	1.0			InitiLi x eiFgtth olume:	20 m3
VnLlysis pLte:	10d26d201/ 15A0			BinLi x eiFgtth olume:	20 m3
PreS pLte:	10d26d201/ 15A0				

VnLlyte	8esult (uFdB)	QuLlifier	Mp3	83
N-ProSylbenzene	0.140	U	0.140	1.00
2-Cglorotoluene	0.1A0	U	0.1A0	1.00
/ -Cglorotoluene	0.1/ 0	U	0.1/ 0	1.00
1,A4-Trimetgylbenzene	0.100	U	0.100	1.00
tert-7 utylbenzene	0.0v00	U	0.0v00	1.00
S-IsoSroSyltoluene	0.100	U	0.100	1.00
1,2,/ -Trimetgylbenzene	0.1/ 0	U	0.1/ 0	1.00
sec-7 utylbenzene	0.120	U	0.120	1.00
1,A-p icglorobenzene	0.1A0	U	0.1A0	1.00
1,/ -p icglorobenzene	0.110	U	0.110	1.00
1,2-p icglorobenzene	0.100	U	0.100	1.00
n-7 utylbenzene	0.160	U	0.160	1.00
1,2-p ibromo-A-CgloroSroSLne	0.v10	U	0.v10	1.00
1,2,/ -Tricglorobenzene	0.A10	U	0.A10	1.00
HeDLcglorobutLWene	0.150	U	0.150	1.00
NLSgtgLlene	0.A20	U	0.A20	2.00
1,2,A-Tricglorobenzene	0.450	U *	0.450	1.00

aurroFLte	%8 ec	QuLlifier	VcceStLnce 3imits
/ -7 romofluorobenzene	vv		65 - 1A9
p ibromofluorometgLne	105		62 - 1A0
Toluene-W (aurr)	12/		50 - 1A0
1,2-p icgloroetgLne-W (aurr)	91		40 - 1A/

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-100925-1

Client Sample ID: ARTESIA-MW31-10162014

3Lb aLmSle Ip: 600-100925-11
Client MLtriD x Lter

pLte aLmSleW 10d16d201/ 1110
pLte 8eeceReW 10d21d201/ 1002

8260B Volatile Organic Compounds (GC/MS)

VnLlysis MetgoW	v2607	VnLlysis 7Ltcg:	600-1/ 5511	Instrument Ip:	CHhOVMa05
PreS MetgoW	40A07	PreS 7Ltcg:	Nd/	3Lb Bile Ip:	V2992/ .p
pilution:	1.0			InitiLI x eiFgtH volume:	20 m3
VnLlysis pLte:	10d26d201/ 211v			BinLI x eiFgtH volume:	20 m3
PreSpLte:	10d26d201/ 211v				

VnLlyte	8result (uFdB)	QuLlifier	Mp3	83
p icgloRoWfluorometgLne	0.120	U	0.120	1.00
CgloRoetgLne	0.1v0	U	0.1v0	2.00
h inyl cgloRiV	0.110	U	0.110	2.00
7 romometgLne	0.240	U	0.240	2.00
CgloRoetgLne	0.0v00	U	0.0v00	2.00
TricgloRofluorometgLne	0.0v00	U	0.0v00	1.00
1,1-p icgloRoetgene	1.22		0.190	1.00
trLns-1,2-p icgloRoetgene	0.0900	U	0.0900	1.00
Metgyl tert-butyl etger	0.120	U	0.120	1.00
Metgylene CgloRiV	0.140	U	0.140	4.00
cis-1,2-p icgloRoetgene	0.0600	U	0.0600	1.00
2-7 utLnone (MEK)	0.560	U	0.560	2.00
7 romocgloRoetgLne	0.1v0	U	0.1v0	1.00
CLrbon tetrLcgloRiV	0.140	U	0.140	1.00
7 enzene	0.0v00	U	0.0v00	1.00
1,2-p icgloRoetgLne	0.1/ 0	U	0.1/ 0	1.00
TricgloRoetgene	0.24v	J	0.1v0	1.00
1,1,1-TricgloRoetgLne	0.140	U	0.140	1.00
1,1-p icgloRoetgLne	0.v00	J	0.110	1.00
1,2-p icgloRoSroSLne	0.160	U	0.160	1.00
2,2-p icgloRoSroSLne	0.1A0	U	0.1A0	1.00
p ibromometgLne	0.420	U	0.420	1.00
CgloRoform	0.1A0	U	0.1A0	1.00
7 romoWcglorometgLne	0.160	U	0.160	1.00
2-CgloRoetgyl Rnyl etger	0.400	U	0.400	2.00
1,1-p icgloRoSroSene	0.210	U	0.210	1.00
cis-1,A-p icgloRoSroSene	0.1v0	U	0.1v0	1.00
Toluene	0.140	U	0.140	1.00
trLns-1,A-p icgloRoSroSene	0.210	U	0.210	1.00
1,1,2-TricgloRoetgLne	0.2v0	U	0.2v0	1.00
TetrLcgloRoetgene	0./ 99	J	0.1A0	1.00
1,A-p icgloRoSroSLne	0.220	U	0.220	1.00
CgloRoWbromometgLne	0.140	U	0.140	1.00
1,2-p ibromoetgLne	0.1v0	U	0.1v0	1.00
CgloRobenzene	0.120	U	0.120	1.00
1,1,1,2-TetrLcgloRoetgLne	0.1v0	U	0.1v0	1.00
Etgylbenzene	0.110	U	0.110	1.00
m-Xylene & S-Xylene	0.150	U	0.150	1.00
Xylenes, TotLI	0.260	U	0.260	1.00
o-Xylene	0.120	U	0.120	1.00
atyrene	0.0500	U	0.0500	1.00
7 romoform	0.190	U	0.190	1.00
IsoSroSylbenzene	0.1v0	U	0.1v0	1.00
7 romobenzene	0.190	U	0.190	1.00
1,2,A-TricgloRoSroSLne	0.290	U	0.290	1.00
1,1,2,2-TetrLcgloRoetgLne	0.220	U	0.220	1.00

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-100925-1

Client Sample ID: ARTESIA-MW31-10162014

3Lb aLmSle Ip: 600-100925-11
Client MLtriD x Lter

pLte aLmSleW 10d16d201/ 1110
pLte 8ecciReW 10d21d201/ 1002

8260B Volatile Organic Compounds (GC/MS)

VnLlysis MetgoW v2607 VnLlysis 7Ltcg: 600-1/ 5511 Instrument Ip: CHhOVMA05
PreS MetgoW 40A07 PreS 7Ltcg: Nd/ 3Lb Bile Ip: V2992/ .p
p ilution: 1.0 InitiLI x eiFgtth olume: 20 m3
VnLlysis pLte: 10d26d201/ 211v BinLI x eiFgtth olume: 20 m3
PreS pLte: 10d26d201/ 211v

VnLlyte	8esult (uFdB)	QuLlifier	Mp3	83
N-ProSylbenzene	0.140	U	0.140	1.00
2-Cglorotoluene	0.1A0	U	0.1A0	1.00
/ -Cglorotoluene	0.1/ 0	U	0.1/ 0	1.00
1,A4-Trimetgylbenzene	0.100	U	0.100	1.00
tert-7 utylbenzene	0.0v00	U	0.0v00	1.00
S-IsoSroSyltoluene	0.100	U	0.100	1.00
1,2,/ -Trimetgylbenzene	0.1/ 0	U	0.1/ 0	1.00
sec-7 utylbenzene	0.120	U	0.120	1.00
1,A-p icglorobenzene	0.1A0	U	0.1A0	1.00
1,/ -p icglorobenzene	0.110	U	0.110	1.00
1,2-p icglorobenzene	0.100	U	0.100	1.00
n-7 utylbenzene	0.160	U	0.160	1.00
1,2-p ibromo-A-CgloroSroSLne	0.v10	U	0.v10	1.00
1,2,/ -Tricglorobenzene	0.A10	U	0.A10	1.00
HeDLcglorobutLWene	0.150	U	0.150	1.00
NLSgtgLlene	0.A20	U	0.A20	2.00
1,2,A-Tricglorobenzene	0.450	U *	0.450	1.00

aurroFLte	%8 ec	QuLlifier	VcceStLnce 3imits
/ -7 romofluorobenzene	v1		65 - 1A9
p ibromofluorometgLne	10v		62 - 1A0
Toluene-W (aurr)	115		50 - 1A0
1,2-p icgloroetgLne-W (aurr)	95		40 - 1A

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-100925-1

Client Sample ID: ARTESIA-MW21-10162014

3Lb aLmSle Ip: 600-100925-12
Client MLtriD x Lter

pLte aLmSleW 10d16d201/ 1A00
pLte 8eeceReW 10d21d201/ 1002

8260B Volatile Organic Compounds (GC/MS)

VnLlysis MetgoW	v2607	VnLlysis 7Ltcg:	600-1/ 5511	Instrument Ip:	CHhOVMa05
PreS MetgoW	40A07	PreS 7Ltcg:	Nd/	3Lb Bile Ip:	V29915.p
pilution:	1.0			InitiLI x eiFgtdholume:	20 m3
VnLlysis pLte:	10d26d201/ 1549			BinLI x eiFgtdholume:	20 m3
PreSpLte:	10d26d201/ 1549				

VnLlyte	8esult (uFdB)	QuLlifier	Mp3	83
p icgloRoWfluorometgLne	0.120	U	0.120	1.00
CgloRoetgLne	0.1v0	U	0.1v0	2.00
h inyl cgloRiV	0.110	U	0.110	2.00
7romometgLne	0.240	U	0.240	2.00
CgloRoetgLne	0.0v00	U	0.0v00	2.00
TricgloRofluorometgLne	0.0v00	U	0.0v00	1.00
1,1-p icgloRoetgene	0.196	J	0.190	1.00
trLns-1,2-p icgloRoetgene	0.0900	U	0.0900	1.00
Metgyl tert-butyl etger	0.120	U	0.120	1.00
Metgylene CgloRiV	0.140	U	0.140	4.00
cis-1,2-p icgloRoetgene	0.0600	U	0.0600	1.00
2-7 utLnone (MEK)	0.560	U	0.560	2.00
7romocgloRoetgLne	0.1v0	U	0.1v0	1.00
CLrbon tetrLcgloRiV	0.140	U	0.140	1.00
7 enzene	0.0v00	U	0.0v00	1.00
1,2-p icgloRoetgLne	0.1/ 0	U	0.1/ 0	1.00
TricgloRoetgene	0.1v0	U	0.1v0	1.00
1,1,1-TricgloRoetgLne	0.140	U	0.140	1.00
1,1-p icgloRoetgLne	0.194	J	0.110	1.00
1,2-p icgloRoSroSLne	0.160	U	0.160	1.00
2,2-p icgloRoSroSLne	0.1A0	U	0.1A0	1.00
p ibromometgLne	0.420	U	0.420	1.00
CgloRoform	0.1A0	U	0.1A0	1.00
7romoVcgloRoetgLne	0.160	U	0.160	1.00
2-CgloRoetgyl Rnyl etger	0.400	U	0.400	2.00
1,1-p icgloRoSroSene	0.210	U	0.210	1.00
cis-1,A-p icgloRoSroSene	0.1v0	U	0.1v0	1.00
Toluene	0.140	U	0.140	1.00
trLns-1,A-p icgloRoSroSene	0.210	U	0.210	1.00
1,1,2-TricgloRoetgLne	0.2v0	U	0.2v0	1.00
TetrLcgloRoetgene	0.1A/	J	0.1A0	1.00
1,A-p icgloRoSroSLne	0.220	U	0.220	1.00
CgloRoWbromometgLne	0.140	U	0.140	1.00
1,2-p ibromoetgLne	0.1v0	U	0.1v0	1.00
CgloRobenzene	0.120	U	0.120	1.00
1,1,1,2-TetrLcgloRoetgLne	0.1v0	U	0.1v0	1.00
Etgylbenzene	0.110	U	0.110	1.00
m-Xylene & S-Xylene	0.150	U	0.150	1.00
Xylenes, TotLI	0.260	U	0.260	1.00
o-Xylene	0.120	U	0.120	1.00
atyrene	0.0500	U	0.0500	1.00
7romoform	0.190	U	0.190	1.00
IsoSroSylbenzene	0.1v0	U	0.1v0	1.00
7romobenzene	0.190	U	0.190	1.00
1,2,A-TricgloRoSroSLne	0.290	U	0.290	1.00
1,1,2,2-TetrLcgloRoetgLne	0.220	U	0.220	1.00

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-100925-1

Client Sample ID: ARTESIA-MW21-10162014

3Lb aLmSle Ip: 600-100925-12

Client MLtriD x Lter

pLte aLmSleW 10d16d201/ 1A00

pLte 8ecciReW 10d21d201/ 1002

8260B Volatile Organic Compounds (GC/MS)

VnLlysis MetgoW	v2607	VnLlysis 7Ltcg:	600-1/ 5511	Instrument Ip:	CHhOVMA05
PreS MetgoW	40A07	PreS 7Ltcg:	Nd/	3Lb Bile Ip:	V29915.p
p ilution:	1.0			InitiLi x eiFgtth olume:	20 m3
VnLlysis pLte:	10d26d201/ 1549			BinLI x eiFgtth olume:	20 m3
PreS pLte:	10d26d201/ 1549				

VnLlyte	8esult (uFdB)	QuLlifier	Mp3	83
N-ProSylbenzene	0.140	U	0.140	1.00
2-Cglorotoluene	0.1A0	U	0.1A0	1.00
/ -Cglorotoluene	0.1/ 0	U	0.1/ 0	1.00
1,A4-Trimetgylbenzene	0.100	U	0.100	1.00
tert-7 utylbenzene	0.0v00	U	0.0v00	1.00
S-IsoSroSyltoluene	0.100	U	0.100	1.00
1,2,/ -Trimetgylbenzene	0.1/ 0	U	0.1/ 0	1.00
sec-7 utylbenzene	0.120	U	0.120	1.00
1,A-p icglorobenzene	0.1A0	U	0.1A0	1.00
1,/ -p icglorobenzene	0.110	U	0.110	1.00
1,2-p icglorobenzene	0.100	U	0.100	1.00
n-7 utylbenzene	0.160	U	0.160	1.00
1,2-p ibromo-A-CgloroSroSLne	0.v10	U	0.v10	1.00
1,2,/ -Tricglorobenzene	0.A10	U	0.A10	1.00
HeDLcglorobutLWene	0.150	U	0.150	1.00
NLSgtgLlene	0.A20	U	0.A20	2.00
1,2,A-Tricglorobenzene	0.450	U *	0.450	1.00

aurroFLte	%8 ec	QuLlifier	VcceStLnce 3imits
/ -7 romofluorobenzene	vA		65 - 1A9
p ibromofluorometgLne	106		62 - 1A0
Toluene-W (aurr)	124		50 - 1A0
1,2-p icgloroetgLne-W (aurr)	94		40 - 1A

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-100925-1

Client Sample ID: ARTESIA-MW18-10162014

3Lb aLmSle Ip: 600-100925-1A
Client MLtriD x Lter

pLte aLmSleW 10d16d201/ 1A40
pLte 8eeceReW 10d21d201/ 1002

8260B Volatile Organic Compounds (GC/MS)

VnLlysis MetgoW	v2607	VnLlysis 7Ltcg:	600-1/ 55A2	Instrument Ip:	CHhOVMa05
PreS MetgoW	40A07	PreS 7Ltcg:	Nd/	3Lb Bile Ip:	VA0009.p
pilution:	1.0			InitiLI x eiFgth volume:	20 m3
VnLlysis pLte:	10d25d201/ 1A4/			BinLI x eiFgth volume:	20 m3
PreSpLte:	10d25d201/ 1A4/				

VnLlyte	8result (uFdB)	QuLlifier	Mp3	83
p icgloVfluorometgLne	0.120	U	0.120	1.00
CglorometgLne	0.1v0	U	0.1v0	2.00
h inyl cgloriV	0.110	U	0.110	2.00
7 romometgLne	0.240	U	0.240	2.00
CgloroetgLne	0.0v00	U	0.0v00	2.00
TricgloVfluorometgLne	0.0v00	U	0.0v00	1.00
1,1-p icgloVetgene	0.190	J	0.190	1.00
trLns-1,2-p icgloVetgene	0.0900	U	0.0900	1.00
Metgyl tert-butyl etger	0.120	U	0.120	1.00
Metgylene CgloriV	0.140	U	0.140	4.00
cis-1,2-p icgloVetgene	0.0600	U	0.0600	1.00
2-7 utLnone (MEK)	0.560	U	0.560	2.00
7 romocglorometgLne	0.1v0	U	0.1v0	1.00
CLrbon tetrLcgloriV	0.140	U	0.140	1.00
7 enzene	0.0v00	U	0.0v00	1.00
1,2-p icgloVetgLne	0.1/ 0	U	0.1/ 0	1.00
TricgloVetgene	0.1v0	U	0.1v0	1.00
1,1,1-TricgloVetgLne	0.140	U	0.140	1.00
1,1-p icgloVetgLne	0.110	U	0.110	1.00
1,2-p icgloVroSLne	0.160	U	0.160	1.00
2,2-p icgloVroSLne	0.1A0	U	0.1A0	1.00
p ibromometgLne	0.420	U	0.420	1.00
CgloVroform	0.1A0	U	0.1A0	1.00
7 romoVcglorometgLne	0.160	U	0.160	1.00
2-CgloVetgyl Rnyl etger	0.400	U	0.400	2.00
1,1-p icgloVroSene	0.210	U	0.210	1.00
cis-1,A-p icgloVroSene	0.1v0	U	0.1v0	1.00
Toluene	0.140	U	0.140	1.00
trLns-1,A-p icgloVroSene	0.210	U	0.210	1.00
1,1,2-TricgloVetgLne	0.2v0	U	0.2v0	1.00
TetrLcgloroVetgene	0.A61	J	0.1A0	1.00
1,A-p icgloVroSLne	0.220	U	0.220	1.00
CgloVibromometgLne	0.140	U	0.140	1.00
1,2-p ibromoetgLne	0.1v0	U	0.1v0	1.00
CgloVrobenzene	0.120	U	0.120	1.00
1,1,1,2-TetrLcgloroVetgLne	0.1v0	U	0.1v0	1.00
Etgylbenzene	0.110	U	0.110	1.00
m-Xylene & S-Xylene	0.150	U	0.150	1.00
Xylenes, TotLI	0.260	U	0.260	1.00
o-Xylene	0.120	U	0.120	1.00
atyrene	0.0500	U	0.0500	1.00
7 romoVroform	0.190	U	0.190	1.00
IsoVroSylbenzene	0.1v0	U	0.1v0	1.00
7 romobenzene	0.190	U	0.190	1.00
1,2,A-TricgloVroSLne	0.290	U	0.290	1.00
1,1,2,2-TetrLcgloroVetgLne	0.220	U	0.220	1.00

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-100925-1

Client Sample ID: ARTESIA-MW18-10162014

3Lb aLmSle Ip: 600-100925-1A
Client MLtriD x Lter

pLte aLmSleW 10d16d201/ 1A40
pLte 8ecciReW 10d21d201/ 1002

8260B Volatile Organic Compounds (GC/MS)

VnLlysis MetgoW	v2607	VnLlysis 7Ltcg:	600-1/ 55A2	Instrument Ip:	CHhOVMA05
PreS MetgoW	40A07	PreS 7Ltcg:	Nd/	3Lb Bile Ip:	VA0009.p
pilution:	1.0			InitiLi x eiFgtth olume:	20 m3
VnLlysis pLte:	10d25d201/ 1A4/			BinLI x eiFgtth olume:	20 m3
PreS pLte:	10d25d201/ 1A4/				

VnLlyte	8esult (uFdB)	QuLlifier	Mp3	83
N-ProSylbenzene	0.140	U	0.140	1.00
2-Cglorotoluene	0.1A0	U	0.1A0	1.00
/ -Cglorotoluene	0.1/ 0	U	0.1/ 0	1.00
1,A4-Trimetgylbenzene	0.100	U	0.100	1.00
tert-7 utylbenzene	0.0v00	U	0.0v00	1.00
S-IsoSroSyltoluene	0.100	U	0.100	1.00
1,2,/ -Trimetgylbenzene	0.1/ 0	U	0.1/ 0	1.00
sec-7 utylbenzene	0.120	U	0.120	1.00
1,A-p icglorobenzene	0.1A0	U	0.1A0	1.00
1,/ -p icglorobenzene	0.110	U	0.110	1.00
1,2-p icglorobenzene	0.100	U	0.100	1.00
n-7 utylbenzene	0.160	U	0.160	1.00
1,2-p ibromo-A-CgloroSroSLne	0.v10	U	0.v10	1.00
1,2,/ -Tricglorobenzene	0.A10	U	0.A10	1.00
HeDLcglorobutLWene	0.150	U	0.150	1.00
NLSgtgLlene	0.A20	U	0.A20	2.00
1,2,A-Tricglorobenzene	0.450	U *	0.450	1.00

aurroFLte	%8 ec	QuLlifier	VcceStLnce 3imits
/ -7 romofluorobenzene	v5		65 - 1A9
pibromofluorometgLne	100		62 - 1A0
Toluene-W (aurr)	11v		50 - 1A0
1,2-p icgloroetgLne-W (aurr)	91		40 - 1A

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-100925-1

Client Sample ID: ARTESIA-MW20-10162014

3Lb aLmSle Ip: 600-100925-1/
Client MLtriD x Lter

pLte aLmSleW 10d16d201/ 1/ A4
pLte 8eeceReW 10d21d201/ 1002

8260B Volatile Organic Compounds (GC/MS)

VnLlysis MetgoW	v2607	VnLlysis 7Ltcg:	600-1/ 5511	Instrument Ip:	CHhOVMa05
PreS MetgoW	40A07	PreS 7Ltcg:	Nd/	3Lb Bile Ip:	V29920.p
pilution:	1.0			InitiLI x eiFgtH volume:	20 m3
VnLlysis pLte:	10d26d201/ 192/			BinLI x eiFgtH volume:	20 m3
PreS pLte:	10d26d201/ 192/				

VnLlyte	8result (uFdB)	QuLlifier	Mp3	83
p icgloRoWfluorometgLne	0.120	U	0.120	1.00
CgloRoetgLne	0.1v0	U	0.1v0	2.00
h inyl cgloRiV	0.A5/	J	0.110	2.00
7romometgLne	0.240	U	0.240	2.00
CgloRoetgLne	0.0v00	U	0.0v00	2.00
TricgloRofluorometgLne	0.0v00	U	0.0v00	1.00
1,1-p icgloRoetgene	A.v0		0.190	1.00
trLns-1,2-p icgloRoetgene	0.0900	U	0.0900	1.00
Metgyl tert-butyl etger	1.94		0.120	1.00
Metgylene CgloRiV	0.140	U	0.140	4.00
cis-1,2-p icgloRoetgene	A.1v		0.0600	1.00
2-7 utLnone (MEK)	0.560	U	0.560	2.00
7romocgloRoetgLne	0.1v0	U	0.1v0	1.00
CLrbon tetrLcgloRiV	0.140	U	0.140	1.00
7enzene	0.211	J	0.0v00	1.00
1,2-p icgloRoetgLne	0.16v	J	0.1/ 0	1.00
TricgloRoetgene	/ .A0		0.1v0	1.00
1,1,1-TricgloRoetgLne	0.140	U	0.140	1.00
1,1-p icgloRoetgLne	12.1		0.110	1.00
1,2-p icgloRoSroSLne	0.160	U	0.160	1.00
2,2-p icgloRoSroSLne	0.1A0	U	0.1A0	1.00
pibromometgLne	0.420	U	0.420	1.00
CgloRoform	0.1A0	U	0.1A0	1.00
7romoWcgloRoetgLne	0.160	U	0.160	1.00
2-CgloRoetgyl Rnyl etger	0.400	U	0.400	2.00
1,1-p icgloRoSroSene	0.210	U	0.210	1.00
cis-1,A-p icgloRoSroSene	0.1v0	U	0.1v0	1.00
Toluene	0.140	U	0.140	1.00
trLns-1,A-p icgloRoSroSene	0.210	U	0.210	1.00
1,1,2-TricgloRoetgLne	0.2v0	U	0.2v0	1.00
TetrLcgloRoetgene	2.6A		0.1A0	1.00
1,A-p icgloRoSroSLne	0.220	U	0.220	1.00
CgloRoWbromometgLne	0.140	U	0.140	1.00
1,2-p ibromoetgLne	0.1v0	U	0.1v0	1.00
CgloRobenzene	0.199	J	0.120	1.00
1,1,1,2-TetrLcgloRoetgLne	0.1v0	U	0.1v0	1.00
Etgylbenzene	0.110	U	0.110	1.00
m-Xylene & S-Xylene	0.150	U	0.150	1.00
Xylenes, TotLI	0.260	U	0.260	1.00
o-Xylene	0.120	U	0.120	1.00
atyrene	0.0500	U	0.0500	1.00
7romoform	0.190	U	0.190	1.00
IsoSroSylbenzene	0.1v0	U	0.1v0	1.00
7romobenzene	0.190	U	0.190	1.00
1,2,A-TricgloRoSroSLne	0.290	U	0.290	1.00
1,1,2,2-TetrLcgloRoetgLne	0.220	U	0.220	1.00

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-100925-1

Client Sample ID: ARTESIA-MW20-10162014

3Lb aLmSle Ip: 600-100925-1/
Client MLtriD x Lter

pLte aLmSleW 10d16d201/ 1/ A4
pLte 8ecciReW 10d21d201/ 1002

8260B Volatile Organic Compounds (GC/MS)

VnLlysis MetgoW	v2607	VnLlysis 7Ltcg:	600-1/ 5511	Instrument Ip:	CHhOVMA05
PreS MetgoW	40A07	PreS 7Ltcg:	Nd/	3Lb Bile Ip:	V29920.p
p ilution:	1.0			InitiLI x eiFgtth olume:	20 m3
VnLlysis pLte:	10d26d201/ 192/			BinLI x eiFgtth olume:	20 m3
PreS pLte:	10d26d201/ 192/				

VnLlyte	8esult (uFdB)	QuLlifier	Mp3	83
N-ProSylbenzene	0.140	U	0.140	1.00
2-Cglorotoluene	0.1A0	U	0.1A0	1.00
/ -Cglorotoluene	0.1/ 0	U	0.1/ 0	1.00
1,A4-Trimetgylbenzene	0.100	U	0.100	1.00
tert-7 utylbenzene	0.0v00	U	0.0v00	1.00
S-IsoSroSyltoluene	0.100	U	0.100	1.00
1,2,/ -Trimetgylbenzene	0.1/ 0	U	0.1/ 0	1.00
sec-7 utylbenzene	0.120	U	0.120	1.00
1,A-p icglorobenzene	0.1A0	U	0.1A0	1.00
1,/ -p icglorobenzene	0.110	U	0.110	1.00
1,2-p icglorobenzene	0.100	U	0.100	1.00
n-7 utylbenzene	0.160	U	0.160	1.00
1,2-p ibromo-A-CgloroSroSLne	0.v10	U	0.v10	1.00
1,2,/ -Tricglorobenzene	0.A10	U	0.A10	1.00
HeDLcglorobutLWene	0.150	U	0.150	1.00
NLSgtgLlene	0.A20	U	0.A20	2.00
1,2,A-Tricglorobenzene	0.450	U *	0.450	1.00

aurroFLte	%8 ec	QuLlifier	VcceStLnce 3imits
/ -7 romofluorobenzene	5v		65 - 1A9
p ibromofluorometgLne	104		62 - 1A0
Toluene-W (aurr)	121		50 - 1A0
1,2-p icgloroetgLne-W (aurr)	90		40 - 1A

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-100925-1

Client Sample ID: ARTESIA-MW15-10172014

3Lb aLmSle Ip: 600-100925-14
Client MLtriD x Lter

pLte aLmSleW 10d15d201/ 0940
pLte 8eeceReW 10d21d201/ 1002

8260B Volatile Organic Compounds (GC/MS)

VnLlysis MetgoW	v2607	VnLlysis 7Ltcg:	600-1/ 5511	Instrument Ip:	CHhOVMa05
PreS MetgoW	40A07	PreS 7Ltcg:	Nd/	3Lb Bile Ip:	V29919.p
pilution:	1.0			InitiLI x eiFgth volume:	20 m3
VnLlysis pLte:	10d26d201/ 1v44			BinLI x eiFgth volume:	20 m3
PreSpLte:	10d26d201/ 1v44				

VnLlyte	8result (uFdB)	QuLlifier	Mp3	83
p icgloRoWfluorometgLne	0.120	U	0.120	1.00
CgloRoetgLne	0.1v0	U	0.1v0	2.00
h inyl cgloRiV	0.110	U	0.110	2.00
7 romometgLne	0.240	U	0.240	2.00
CgloRoetgLne	0.0v00	U	0.0v00	2.00
TricgloRofluorometgLne	0.0v00	U	0.0v00	1.00
1,1-p icgloRoetgene	0.190	U	0.190	1.00
trLns-1,2-p icgloRoetgene	0.0900	U	0.0900	1.00
Metgyl tert-butyl etger	0.55v	J	0.120	1.00
Metgylene CgloRiV	0.140	U	0.140	4.00
cis-1,2-p icgloRoetgene	0.v44	J	0.0600	1.00
2-7 utLnone (MEK)	0.560	U	0.560	2.00
7 romocgloRoetgLne	0.1v0	U	0.1v0	1.00
CLrbon tetrLcgloRiV	0.140	U	0.140	1.00
7 enzene	0.0v00	U	0.0v00	1.00
1,2-p icgloRoetgLne	0.1/ 0	U	0.1/ 0	1.00
TricgloRoetgene	14./		0.1v0	1.00
1,1,1-TricgloRoetgLne	0.140	U	0.140	1.00
1,1-p icgloRoetgLne	0.119	J	0.110	1.00
1,2-p icgloRoSroSLne	0.160	U	0.160	1.00
2,2-p icgloRoSroSLne	0.1A0	U	0.1A0	1.00
p ibromometgLne	0.420	U	0.420	1.00
CgloRoform	0.1A0	U	0.1A0	1.00
7 romoWcglorometgLne	0.160	U	0.160	1.00
2-CgloRoetgyl Rnyl etger	0.400	U	0.400	2.00
1,1-p icgloRoSroSene	0.210	U	0.210	1.00
cis-1,A-p icgloRoSroSene	0.1v0	U	0.1v0	1.00
Toluene	0.140	U	0.140	1.00
trLns-1,A-p icgloRoSroSene	0.210	U	0.210	1.00
1,1,2-TricgloRoetgLne	0.2v0	U	0.2v0	1.00
TetrLcgloRoetgene	4.92		0.1A0	1.00
1,A-p icgloRoSroSLne	0.220	U	0.220	1.00
CgloRoWbromometgLne	0.140	U	0.140	1.00
1,2-p ibromoetgLne	0.1v0	U	0.1v0	1.00
CgloRobenzene	0.120	U	0.120	1.00
1,1,1,2-TetrLcgloRoetgLne	0.1v0	U	0.1v0	1.00
Etgylbenzene	0.110	U	0.110	1.00
m-Xylene & S-Xylene	0.150	U	0.150	1.00
Xylenes, TotLI	0.260	U	0.260	1.00
o-Xylene	0.120	U	0.120	1.00
atyrene	0.0500	U	0.0500	1.00
7 romoform	0.190	U	0.190	1.00
IsoSroSylbenzene	0.1v0	U	0.1v0	1.00
7 romobenzene	0.190	U	0.190	1.00
1,2,A-TricgloRoSroSLne	0.290	U	0.290	1.00
1,1,2,2-TetrLcgloRoetgLne	0.220	U	0.220	1.00

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-100925-1

Client Sample ID: ARTESIA-MW15-10172014

3Lb aLmSle Ip: 600-100925-14
Client MLtriD x Lter

pLte aLmSleW 10d15d201/ 0940
pLte 8ecciReW 10d21d201/ 1002

8260B Volatile Organic Compounds (GC/MS)

VnLlysis MetgoW	v2607	VnLlysis 7Ltcg:	600-1/ 5511	Instrument Ip:	CHhOVMA05
PreS MetgoW	40A07	PreS 7Ltcg:	Nd/	3Lb Bile Ip:	V29919.p
p ilution:	1.0			InitiLI x eiFgtth olume:	20 m3
VnLlysis pLte:	10d26d201/ 1v44			BinLI x eiFgtth olume:	20 m3
PreS pLte:	10d26d201/ 1v44				

VnLlyte	8 result (uFdB)	QuLlifier	Mp 3	8 3
N-ProSylbenzene	0.140	U	0.140	1.00
2-Cglorotoluene	0.1A0	U	0.1A0	1.00
/ -Cglorotoluene	0.1/ 0	U	0.1/ 0	1.00
1,A4-Trimetgylbenzene	0.100	U	0.100	1.00
tert-7 utylbenzene	0.0v00	U	0.0v00	1.00
S-IsoSroSyltoluene	0.100	U	0.100	1.00
1,2,/ -Trimetgylbenzene	0.1/ 0	U	0.1/ 0	1.00
sec-7 utylbenzene	0.120	U	0.120	1.00
1,A-p icglorobenzene	0.1A0	U	0.1A0	1.00
1,/ -p icglorobenzene	0.110	U	0.110	1.00
1,2-p icglorobenzene	0.100	U	0.100	1.00
n-7 utylbenzene	0.160	U	0.160	1.00
1,2-p ibromo-A-CgloroSroSLne	0.v10	U	0.v10	1.00
1,2,/ -Tricglorobenzene	0.A10	U	0.A10	1.00
HeDLcglorobutLWene	0.150	U	0.150	1.00
NLSgtgLlene	0.A20	U	0.A20	2.00
1,2,A-Tricglorobenzene	0.450	U *	0.450	1.00

aurroFLte	%8 ec	QuLlifier	VcceStLnce 3imits
/ -7 romofluorobenzene	v0		65 - 1A9
p ibromofluorometgLne	104		62 - 1A0
Toluene-W (aurr)	121		50 - 1A0
1,2-p icgloroetgLne-W (aurr)	91		40 - 1A

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-100925-1

Client Sample ID: ARTESIAMW17C-10172014

3Lb aLmSle Ip: 600-100925-16
Client MLtriD x Lter

pLte aLmSleW 10d15d201/ 10A0
pLte 8ecciReW 10d1d201/ 1002

8260B Volatile Organic Compounds (GC/MS)

VnLlysis MetgoW	v2607	VnLlysis 7Ltcg:	600-1/ 5511	Instrument Ip:	CHhOVMa05
PreS MetgoW	40A07	PreS 7Ltcg:	Nd/	3Lb Bile Ip:	V29921.p
pilution:	1.0			InitiLI x eiFgtdholume:	20 m3
VnLlysis pLte:	10d26d201/ 194A			BinLI x eiFgtdholume:	20 m3
PreSpLte:	10d26d201/ 194A				

VnLlyte	8esult (uFdB)	QuLlifier	Mp3	83
p icgloRoWfluorometgLne	0.120	U	0.120	1.00
CgloRoetgLne	0.1v0	U	0.1v0	2.00
h inyl cgloRiV	0.110	U	0.110	2.00
7romometgLne	0.240	U	0.240	2.00
CgloRoetgLne	0.0v00	U	0.0v00	2.00
TricgloRofluorometgLne	0.0v00	U	0.0v00	1.00
1,1-p icgloRoetgene	0./ A6	J	0.190	1.00
trLns-1,2-p icgloRoetgene	0.0900	U	0.0900	1.00
Metgyl tert-butyl etger	0.120	U	0.120	1.00
Metgylene CgloRiV	0.140	U	0.140	4.00
cis-1,2-p icgloRoetgene	0.05AA	J	0.0600	1.00
2-7 utLnone (MEK)	0.560	U	0.560	2.00
7romocgloRoetgLne	0.1v0	U	0.1v0	1.00
CLrbon tetrLcgloRiV	0.140	U	0.140	1.00
7 enzene	0.0v00	U	0.0v00	1.00
1,2-p icgloRoetgLne	0.1/ 0	U	0.1/ 0	1.00
TricgloRoetgene	0.614	J	0.1v0	1.00
1,1,1-TricgloRoetgLne	0.140	U	0.140	1.00
1,1-p icgloRoetgLne	0.1v/	J	0.110	1.00
1,2-p icgloRoSroSLne	0.160	U	0.160	1.00
2,2-p icgloRoSroSLne	0.1A0	U	0.1A0	1.00
p ibromometgLne	0.420	U	0.420	1.00
CgloRoform	0.1A0	U	0.1A0	1.00
7romoVcgloRoetgLne	0.160	U	0.160	1.00
2-CgloRoetgyl Rnyl etger	0.400	U	0.400	2.00
1,1-p icgloRoSroSene	0.210	U	0.210	1.00
cis-1,A-p icgloRoSroSene	0.1v0	U	0.1v0	1.00
Toluene	0.140	U	0.140	1.00
trLns-1,A-p icgloRoSroSene	0.210	U	0.210	1.00
1,1,2-TricgloRoetgLne	0.2v0	U	0.2v0	1.00
TetrLcgloRoetgene	0.199	J	0.1A0	1.00
1,A-p icgloRoSroSLne	0.220	U	0.220	1.00
CgloRoWbromometgLne	0.140	U	0.140	1.00
1,2-p ibromoetgLne	0.1v0	U	0.1v0	1.00
CgloRobenzene	0.120	U	0.120	1.00
1,1,1,2-TetrLcgloRoetgLne	0.1v0	U	0.1v0	1.00
Etgylbenzene	0.110	U	0.110	1.00
m-Xylene & S-Xylene	0.150	U	0.150	1.00
Xylenes, TotLI	0.260	U	0.260	1.00
o-Xylene	0.120	U	0.120	1.00
atyrene	0.0500	U	0.0500	1.00
7romoform	0.190	U	0.190	1.00
IsoSroSylbenzene	0.1v0	U	0.1v0	1.00
7romobenzene	0.190	U	0.190	1.00
1,2,A-TricgloRoSroSLne	0.290	U	0.290	1.00
1,1,2,2-TetrLcgloRoetgLne	0.220	U	0.220	1.00

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-100925-1

Client Sample ID: ARTESIAMW17C-10172014

3Lb aLmSle Ip: 600-100925-16

Client MLtriD x Lter

pLte aLmSleW 10d15d201/ 10A0

pLte 8ecciReW 10d21d201/ 1002

8260B Volatile Organic Compounds (GC/MS)

VnLlysis MetgoW	v2607	VnLlysis 7Ltcg:	600-1/ 5511	Instrument Ip:	CHhOVMA05
PreS MetgoW	40A07	PreS 7Ltcg:	Nd/	3Lb Bile Ip:	V29921.p
p ilution:	1.0			InitiLi x eiFgtth olume:	20 m3
VnLlysis pLte:	10d26d201/ 194A			BinLI x eiFgtth olume:	20 m3
PreS pLte:	10d26d201/ 194A				

VnLlyte	8esult (uFdB)	QuLlifier	Mp3	83
N-ProSylbenzene	0.140	U	0.140	1.00
2-Cglorotoluene	0.1A0	U	0.1A0	1.00
/ -Cglorotoluene	0.1/ 0	U	0.1/ 0	1.00
1,A4-Trimetgylbenzene	0.100	U	0.100	1.00
tert-7 utylbenzene	0.0v00	U	0.0v00	1.00
S-IsoSroSyltoluene	0.100	U	0.100	1.00
1,2,/ -Trimetgylbenzene	0.1/ 0	U	0.1/ 0	1.00
sec-7 utylbenzene	0.120	U	0.120	1.00
1,A-p icglorobenzene	0.1A0	U	0.1A0	1.00
1,/ -p icglorobenzene	0.110	U	0.110	1.00
1,2-p icglorobenzene	0.100	U	0.100	1.00
n-7 utylbenzene	0.160	U	0.160	1.00
1,2-p ibromo-A-CgloroSroSLne	0.v10	U	0.v10	1.00
1,2,/ -Tricglorobenzene	0.A10	U	0.A10	1.00
HeDLcglorobutLWene	0.150	U	0.150	1.00
NLSgtgLlene	0.A20	U	0.A20	2.00
1,2,A-Tricglorobenzene	0.450	U *	0.450	1.00

aurroFLte	%8 ec	QuLlifier	VcceStLnce 3imits
/ -7 romofluorobenzene	v1		65 - 1A9
p ibromofluorometgLne	10/		62 - 1A0
Toluene-W (aurr)	122		50 - 1A0
1,2-p icgloroetgLne-W (aurr)	92		40 - 1A/

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-100925-1

Client Sample ID: ARTESIA-MW12-10172014

3Lb aLmSle Ip: 600-100925-15
Client MLtriD x Lter

pLte aLmSleW 10d15d201/ 1110
pLte 8eeceReW 10d21d201/ 1002

8260B Volatile Organic Compounds (GC/MS)

VnLlysis MetgoW	v2607	VnLlysis 7Ltcg:	600-1/ 55A2	Instrument Ip:	CHhOVMa05
PreS MetgoW	40A07	PreS 7Ltcg:	Nd/	3Lb Bile Ip:	VA0011.p
pilution:	1.0			InitiLI x eiFgtdholume:	20 m3
VnLlysis pLte:	10d25d201/ 1/ 41			BinLI x eiFgtdholume:	20 m3
PreSpLte:	10d25d201/ 1/ 41				

VnLlyte	8result (uFdB)	QuLlifier	Mp3	83
p icgloVfluorometgLne	0.120	U	0.120	1.00
CglorometgLne	0.1v0	U	0.1v0	2.00
h inyl cgloriV	0.110	U	0.110	2.00
7 romometgLne	0.240	U	0.240	2.00
CglorometgLne	0.0v00	U	0.0v00	2.00
TricgloVfluorometgLne	0.0v00	U	0.0v00	1.00
1,1-p icgloVetgene	0./ v/	J	0.190	1.00
trLns-1,2-p icgloVetgene	0.0900	U	0.0900	1.00
Metgyl tert-butyl etger	0.120	U	0.120	1.00
Metgylene CgloriV	0.140	U	0.140	4.00
cis-1,2-p icgloVetgene	10.9		0.0600	1.00
2-7 utLnone (MEK)	0.560	U	0.560	2.00
7 romocglorometgLne	0.1v0	U	0.1v0	1.00
CLrbon tetrLcgloriV	0.140	U	0.140	1.00
7 enzene	2.64		0.0v00	1.00
1,2-p icgloVetgLne	0.1/ 0	U	0.1/ 0	1.00
TricgloVetgene	0.v41	J	0.1v0	1.00
1,1,1-TricgloVetgLne	0.140	U	0.140	1.00
1,1-p icgloVetgLne	/ .A/		0.110	1.00
1,2-p icgloVroSLne	0.160	U	0.160	1.00
2,2-p icgloVroSLne	0.1A0	U	0.1A0	1.00
p ibromometgLne	0.420	U	0.420	1.00
CgloVroform	0.1A0	U	0.1A0	1.00
7 romoVcglorometgLne	0.160	U	0.160	1.00
2-CgloVetgyl Rnyl etger	0.400	U	0.400	2.00
1,1-p icgloVroSene	0.210	U	0.210	1.00
cis-1,A-p icgloVroSene	0.1v0	U	0.1v0	1.00
Toluene	0.140	U	0.140	1.00
trLns-1,A-p icgloVroSene	0.210	U	0.210	1.00
1,1,2-TricgloVetgLne	0.2v0	U	0.2v0	1.00
TetrLcglorietgene	0.vA0	J	0.1A0	1.00
1,A-p icgloVroSLne	0.220	U	0.220	1.00
CgloVibromometgLne	0.140	U	0.140	1.00
1,2-p ibromoetgLne	0.1v0	U	0.1v0	1.00
CgloVbenzene	0.120	U	0.120	1.00
1,1,1,2-TetrLcglorietgLne	0.1v0	U	0.1v0	1.00
Etgylbenzene	A.59		0.110	1.00
atyrene	0.0500	U	0.0500	1.00
7 romoform	0.190	U	0.190	1.00
IsoSroSylbenzene	/ v.1		0.1v0	1.00
7 romobenzene	0.190	U	0.190	1.00
1,2,A-TricgloVroSLne	0.290	U	0.290	1.00
1,1,2,2-TetrLcglorietgLne	0.220	U	0.220	1.00
2-CgloVrotoluene	0.1A0	U	0.1A0	1.00
/ -CgloVrotoluene	0.1/ 0	U	0.1/ 0	1.00
tert-7 utylbenzene	0.600	J	0.0v00	1.00

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-100925-1

Client Sample ID: ARTESIA-MW12-10172014

3Lb aLmSle Ip: 600-100925-15

Client MLtriD x Lter

pLte aLmSleW 10d15d201/ 1110

pLte 8ecciReW 10d21d201/ 1002

8260B Volatile Organic Compounds (GC/MS)

VnLlysis MetgoW	v2607	VnLlysis 7Ltcg:	600-1/ 55A2	Instrument Ip:	CHhOVMA05
PreS MetgoW	40A07	PreS 7Ltcg:	Nd/	3Lb Bile Ip:	VA0011.p
pilution:	1.0			InitiLi x eiFgtth olume:	20 m3
VnLlysis pLte:	10d25d201/ 1/ 41			BinLi x eiFgtth olume:	20 m3
PreS pLte:	10d25d201/ 1/ 41				

VnLlyte	8esult (uFdB)	QuLlifier	Mp3	83
S-IsoSroSyltoluene	A.25		0.100	1.00
sec-7 utylbenzene	4.Av		0.120	1.00
1,A-p icglorobenzene	0.1A0	U	0.1A0	1.00
1,/ -p icglorobenzene	0.110	U	0.110	1.00
1,2-p icglorobenzene	0.100	U	0.100	1.00
n-7 utylbenzene	5.56		0.160	1.00
1,2-p ibromo-A-CgloroSroSLne	0.v10	U	0.v10	1.00
1,2,/ -Tricglorobenzene	0.A10	U	0.A10	1.00
HeDLcglorobutLWene	0.150	U	0.150	1.00
1,2,A-Tricglorobenzene	0.450	U *	0.450	1.00
a urroFLte	%8 ec	QuLlifier	VcceStLnce 3imits	
/ -7 romofluorobenzene	6A	X	65 - 1A9	
p ibromofluorometgLne	96		62 - 1A0	
Toluene-W (aurr)	10/		50 - 1A0	
1,2-p icgloroetgLne-W (aurr)	v5		40 - 1A/	

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-100925-1

Client Sample ID: ARTESIA-MW12-10172014

3Lb aLmSle Ip: 600-100925-15

Client MLtriD x Lter

pLte aLmSleW 10d15d201/ 1110

pLte 8eeciReW 10d21d201/ 1002

8260B Volatile Organic Compounds (GC/MS)

VnLlysis MetgoW	v2607	VnLlysis 7Ltcg:	600-1/ 55A2	Instrument Ip:	CHhOVMA05
PreS MetgoW	40A07	PreS 7Ltcg:	Nd/	3Lb Bile Ip:	VA0014.p
p ilution:	20			InitiLI x eiFgtth olume:	20 m3
VnLlysis pLte:	10d25d201/ 16/ 4	8 un TySe:	p 3	BinLI x eiFgtth olume:	20 m3
PreS pLte:	10d25d201/ 16/ 4				

VnLlyte	8 esult (uFdB)	QuLlifier	Mp 3	8 3
m-Xylene & S-Xylene	44./		A/ 0	20.0
Xylenes, TotLI	65.0		4.20	20.0
o-Xylene	11.6	J	2./ 0	20.0
N-ProSylbenzene	42./		A.00	20.0
1,A4-Trimetgylbenzene	/ 9.1		2.00	20.0
1,2,/ -Trimetgylbenzene	Av4		2.v0	20.0
NLSgtgLIene	10/		6./ 0	/ 0.0

aurroFLte	%8 ec	QuLlifier	VcceStLnce 3imits
/ -7romofluorobenzene	59		65 - 1A9
p ibromofluorometgLne	9/		62 - 1A0
Toluene-W (aurr)	11v		50 - 1A0
1,2-p icgloretgLne-W (aurr)	v4		40 - 1A/

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-100925-1

Client Sample ID: ARTESIA-MW7-10172014

3Lb aLmSle Ip: 600-100925-1v
Client MLtriD x Lter

pLte aLmSleW 10d15d201/ 1A00
pLte 8eeceReW 10d21d201/ 1002

8260B Volatile Organic Compounds (GC/MS)

VnLlysis MetgoW	v2607	VnLlysis 7Ltcg:	600-1/ 5511	Instrument Ip:	CHhOVMa05
PreS MetgoW	40A07	PreS 7Ltcg:	Nd/	3Lb Bile Ip:	V29922.p
pilution:	1.0			InitiLI x eiFgtdholume:	20 m3
VnLlysis pLte:	10d26d201/ 2021			BinLI x eiFgtdholume:	20 m3
PreSpLte:	10d26d201/ 2021				

VnLlyte	8esult (uFdB)	QuLlifier	Mp3	83
p icgloRoWfluorometgLne	0.120	U	0.120	1.00
CgloRoetgLne	0.1v0	U	0.1v0	2.00
h inyl cgloRiV	0.110	U	0.110	2.00
7romometgLne	0.240	U	0.240	2.00
CgloRoetgLne	0.0v00	U	0.0v00	2.00
TricgloRofluorometgLne	0.0v00	U	0.0v00	1.00
1,1-p icgloRoetgene	0.190	U	0.190	1.00
trLns-1,2-p icgloRoetgene	0.0900	U	0.0900	1.00
Metgyl tert-butyl etger	0.120	U	0.120	1.00
Metgylene CgloRiV	0.140	U	0.140	4.00
cis-1,2-p icgloRoetgene	0.0600	U	0.0600	1.00
2-7 utLnone (MEK)	0.560	U	0.560	2.00
7romocgloRoetgLne	0.1v0	U	0.1v0	1.00
CLrbon tetrLcgloRiV	0.140	U	0.140	1.00
7enzene	0.0v00	U	0.0v00	1.00
1,2-p icgloRoetgLne	0.1/ 0	U	0.1/ 0	1.00
TricgloRoetgene	0.1v0	U	0.1v0	1.00
1,1,1-TricgloRoetgLne	0.140	U	0.140	1.00
1,1-p icgloRoetgLne	0.110	U	0.110	1.00
1,2-p icgloRoSroSLne	0.160	U	0.160	1.00
2,2-p icgloRoSroSLne	0.1A0	U	0.1A0	1.00
pibromometgLne	0.420	U	0.420	1.00
CgloRoform	0.1A0	U	0.1A0	1.00
7romoWcgloRoetgLne	0.160	U	0.160	1.00
2-CgloRoetgyl Rnyl etger	0.400	U	0.400	2.00
1,1-p icgloRoSroSene	0.210	U	0.210	1.00
cis-1,A-p icgloRoSroSene	0.1v0	U	0.1v0	1.00
Toluene	0.140	U	0.140	1.00
trLns-1,A-p icgloRoSroSene	0.210	U	0.210	1.00
1,1,2-TricgloRoetgLne	0.2v0	U	0.2v0	1.00
TetrLcgloRoetgene	0.161	J	0.1A0	1.00
1,A-p icgloRoSroSLne	0.220	U	0.220	1.00
CgloRoWbromometgLne	0.140	U	0.140	1.00
1,2-p ibromoetgLne	0.1v0	U	0.1v0	1.00
CgloRobenzene	0.120	U	0.120	1.00
1,1,1,2-TetrLcgloRoetgLne	0.1v0	U	0.1v0	1.00
Etgylbenzene	0.110	U	0.110	1.00
m-Xylene & S-Xylene	0.150	U	0.150	1.00
Xylenes, TotLI	0.260	U	0.260	1.00
o-Xylene	0.120	U	0.120	1.00
atyrene	0.0500	U	0.0500	1.00
7romoform	0.190	U	0.190	1.00
IsoSroSylbenzene	0.1v0	U	0.1v0	1.00
7romobenzene	0.190	U	0.190	1.00
1,2,A-TricgloRoSroSLne	0.290	U	0.290	1.00
1,1,2,2-TetrLcgloRoetgLne	0.220	U	0.220	1.00

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-100925-1

Client Sample ID: ARTESIA-MW7-10172014

3Lb aLmSle Ip: 600-100925-1v
Client MLtriD x Lter

pLte aLmSleW 10d15d201/ 1A00
pLte 8ecciReW 10d21d201/ 1002

8260B Volatile Organic Compounds (GC/MS)

VnLlysis MetgoW	v2607	VnLlysis 7Ltcg:	600-1/ 5511	Instrument Ip:	CHhOVMA05
PreS MetgoW	40A07	PreS 7Ltcg:	Nd/	3Lb Bile Ip:	V29922.p
pilution:	1.0			InitiLI x eiFgtth olume:	20 m3
VnLlysis pLte:	10d26d201/ 2021			BinLI x eiFgtth olume:	20 m3
PreS pLte:	10d26d201/ 2021				

VnLlyte	8esult (uFdB)	QuLlifier	Mp3	83
N-ProSylbenzene	0.140	U	0.140	1.00
2-Cglorotoluene	0.1A0	U	0.1A0	1.00
/ -Cglorotoluene	0.1/ 0	U	0.1/ 0	1.00
1,A4-Trimetgylbenzene	0.100	U	0.100	1.00
tert-7 utylbenzene	0.0v00	U	0.0v00	1.00
S-IsoSroSyltoluene	1.v2		0.100	1.00
1,2,/ -Trimetgylbenzene	0.1/ 0	U	0.1/ 0	1.00
sec-7 utylbenzene	0.120	U	0.120	1.00
1,A-p icglorobenzene	0.1A0	U	0.1A0	1.00
1,/ -p icglorobenzene	0.110	U	0.110	1.00
1,2-p icglorobenzene	0.100	U	0.100	1.00
n-7 utylbenzene	0.160	U	0.160	1.00
1,2-p ibromo-A-CgloroSroSLne	0.v10	U	0.v10	1.00
1,2,/ -Tricglorobenzene	0.A10	U	0.A10	1.00
HeDLcglorobutLWene	0.150	U	0.150	1.00
NLSgtgLlene	0.A20	U	0.A20	2.00
1,2,A-Tricglorobenzene	0.450	U *	0.450	1.00

aurroFLte	%8 ec	QuLlifier	VcceStLnce 3imits
/ -7 romofluorobenzene	v0		65 - 1A9
pibromofluorometgLne	104		62 - 1A0
Toluene-W (aurr)	121		50 - 1A0
1,2-p icgloroetgLne-W (aurr)	91		40 - 1A

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-100925-1

Client Sample ID: ARTESIA-MW8-10172014

3Lb aLmSle Ip: 600-100925-19
Client MLtriD x Lter

pLte aLmSleW 10d15d201/ 1AA0
pLte 8eeceReW 10d21d201/ 1002

8260B Volatile Organic Compounds (GC/MS)

VnLlysis MetgoW	v2607	VnLlysis 7Ltcg:	600-1/ 5511	Instrument Ip:	CHhOVMa05
PreS MetgoW	40A07	PreS 7Ltcg:	Nd/	3Lb Bile Ip:	V2992Ap
pilution:	1.0			InitiLI x eiFgtdholume:	20 m3
VnLlysis pLte:	10d26d201/ 20/ 9			BinLI x eiFgtdholume:	20 m3
PreSpLte:	10d26d201/ 20/ 9				

VnLlyte	8esult (uFdB)	QuLlifier	Mp3	83
p icgloRoWfluorometgLne	0.120	U	0.120	1.00
CgloRoetgLne	0.1v0	U	0.1v0	2.00
h inyl cgloRiV	0.110	U	0.110	2.00
7 romometgLne	0.240	U	0.240	2.00
CgloRoetgLne	0.0v00	U	0.0v00	2.00
TricgloRofluorometgLne	0.0v00	U	0.0v00	1.00
1,1-p icgloRoetgene	1.24		0.190	1.00
trLns-1,2-p icgloRoetgene	0.0900	U	0.0900	1.00
Metgyl tert-butyl etger	0.v96	J	0.120	1.00
Metgylene CgloRiV	0.140	U	0.140	4.00
cis-1,2-p icgloRoetgene	0.A4/	J	0.0600	1.00
2-7 utLnone (MEK)	0.560	U	0.560	2.00
7 romocgloRoetgLne	0.1v0	U	0.1v0	1.00
CLrbon tetrLcgloRiV	0.140	U	0.140	1.00
7 enzene	0.0v00	U	0.0v00	1.00
1,2-p icgloRoetgLne	0.1/ 0	U	0.1/ 0	1.00
TricgloRoetgene	1.0v		0.1v0	1.00
1,1,1-TricgloRoetgLne	0.140	U	0.140	1.00
1,1-p icgloRoetgLne	2.06		0.110	1.00
1,2-p icgloRoSroSLne	0.160	U	0.160	1.00
2,2-p icgloRoSroSLne	0.1A0	U	0.1A0	1.00
p ibromometgLne	0.420	U	0.420	1.00
CgloRoform	0.1A0	U	0.1A0	1.00
7 romoWcglorometgLne	0.160	U	0.160	1.00
2-CgloRoetgyl Rnyl etger	0.400	U	0.400	2.00
1,1-p icgloRoSroSene	0.210	U	0.210	1.00
cis-1,A-p icgloRoSroSene	0.1v0	U	0.1v0	1.00
Toluene	0.140	U	0.140	1.00
trLns-1,A-p icgloRoSroSene	0.210	U	0.210	1.00
1,1,2-TricgloRoetgLne	0.2v0	U	0.2v0	1.00
TetrLcgloRoetgene	1.v1		0.1A0	1.00
1,A-p icgloRoSroSLne	0.220	U	0.220	1.00
CgloRoWbromometgLne	0.140	U	0.140	1.00
1,2-p ibromoetgLne	0.1v0	U	0.1v0	1.00
CgloRobenzene	0.120	U	0.120	1.00
1,1,1,2-TetrLcgloRoetgLne	0.1v0	U	0.1v0	1.00
Etgylbenzene	0.110	U	0.110	1.00
m-Xylene & S-Xylene	0.150	U	0.150	1.00
Xylenes, TotLI	0.260	U	0.260	1.00
o-Xylene	0.120	U	0.120	1.00
atyrene	0.0500	U	0.0500	1.00
7 romoform	0.190	U	0.190	1.00
IsoSroSylbenzene	0.1v0	U	0.1v0	1.00
7 romobenzene	0.190	U	0.190	1.00
1,2,A-TricgloRoSroSLne	0.290	U	0.290	1.00
1,1,2,2-TetrLcgloRoetgLne	0.220	U	0.220	1.00

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-100925-1

Client Sample ID: ARTESIA-MW8-10172014

3Lb aLmSle Ip: 600-100925-19

Client MLtriD x Lter

pLte aLmSleW 10d15d201/ 1AA0

pLte 8ecciReW 10d21d201/ 1002

8260B Volatile Organic Compounds (GC/MS)

VnLlysis MetgoW	v2607	VnLlysis 7Ltcg:	600-1/ 5511	Instrument Ip:	CHhOVMA05
PreS MetgoW	40A07	PreS 7Ltcg:	Nd/	3Lb Bile Ip:	V2992Ap
p ilution:	1.0			InitiLi x eiFgtdh olume:	20 m3
VnLlysis pLte:	10d26d201/ 20/ 9			BinLI x eiFgtdh olume:	20 m3
PreS pLte:	10d26d201/ 20/ 9				

VnLlyte	8esult (uFdB)	QuLlifier	Mp3	83
N-ProSylbenzene	0.140	U	0.140	1.00
2-Cglorotoluene	0.1A0	U	0.1A0	1.00
/ -Cglorotoluene	0.1/ 0	U	0.1/ 0	1.00
1,A4-Trimetgylbenzene	0.100	U	0.100	1.00
tert-7 utylbenzene	0.0v00	U	0.0v00	1.00
S-IsoSroSyltoluene	0.100	U	0.100	1.00
1,2,/ -Trimetgylbenzene	0.1/ 0	U	0.1/ 0	1.00
sec-7 utylbenzene	0.120	U	0.120	1.00
1,A-p icglorobenzene	0.1A0	U	0.1A0	1.00
1,/ -p icglorobenzene	0.110	U	0.110	1.00
1,2-p icglorobenzene	0.100	U	0.100	1.00
n-7 utylbenzene	0.160	U	0.160	1.00
1,2-p ibromo-A-CgloroSroSLne	0.v10	U	0.v10	1.00
1,2,/ -Tricglorobenzene	0.A10	U	0.A10	1.00
HeDLcglorobutLWene	0.150	U	0.150	1.00
NLSgtgLlene	0.A20	U	0.A20	2.00
1,2,A-Tricglorobenzene	0.450	U *	0.450	1.00

aurroFLte	%8 ec	QuLlifier	VcceStLnce 3imits
/ -7 romofluorobenzene	v1		65 - 1A9
p ibromofluorometgLne	105		62 - 1A0
Toluene-W (aurr)	125		50 - 1A0
1,2-p icgloroetgLne-W (aurr)	9/		40 - 1A/

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-100925-1

Client Sample ID: ARTESIA-MW11-10172014

3Lb aLmSle Ip : 600-100925-20
Client MLtriD x Lter

pLte aLmSleW 10d15d201/ 1/ 00
pLte 8eeceReW 10d21d201/ 1002

8260B Volatile Organic Compounds (GC/MS)

VnLlysis MetgoW	v2607	VnLlysis 7Ltcg:	600-1/ 55A2	Instrument Ip :	CHhOVMa05
PreS MetgoW	40A07	PreS 7Ltcg:	Nd/	3Lb Bile Ip :	VA0010.p
pilution:	1.0			InitiLI x eiFgtdholume:	20 m3
VnLlysis pLte:	10d25d201/ 1/ 22			BinLI x eiFgtdholume:	20 m3
PreSpLte:	10d25d201/ 1/ 22				

VnLlyte	8esult (uFdB)	QuLlifier	Mp3	83
p icgloVfluorometgLne	0.120	U	0.120	1.00
CglorometgLne	0.1v0	U	0.1v0	2.00
h inyl cgloriV	0.110	U	0.110	2.00
7 romometgLne	0.240	U	0.240	2.00
CgloroetgLne	0.0v00	U	0.0v00	2.00
TricgloVfluorometgLne	0.0v00	U	0.0v00	1.00
1,1-p icgloVetgene	0.190	U	0.190	1.00
trLns-1,2-p icgloVetgene	0.0900	U	0.0900	1.00
Metgyl tert-butyl etger	0.120	U	0.120	1.00
Metgylene CgloriV	0.140	U	0.140	4.00
cis-1,2-p icgloVetgene	0.0600	U	0.0600	1.00
2-7 utLnone (MEK)	0.560	U	0.560	2.00
7 romocglorometgLne	0.1v0	U	0.1v0	1.00
CLrbon tetrLcgloriV	0.140	U	0.140	1.00
7 enzene	0.0v00	U	0.0v00	1.00
1,2-p icgloVetgLne	0.1/ 0	U	0.1/ 0	1.00
TricgloVetgene	0.211	J	0.1v0	1.00
1,1,1-TricgloVetgLne	0.140	U	0.140	1.00
1,1-p icgloVetgLne	0.24A	J	0.110	1.00
1,2-p icgloVroSLne	0.160	U	0.160	1.00
2,2-p icgloVroSLne	0.1A0	U	0.1A0	1.00
p ibromometgLne	0.420	U	0.420	1.00
CgloVroform	0.1A0	U	0.1A0	1.00
7 romoVcglorometgLne	0.160	U	0.160	1.00
2-Cgloroetgyl Rnyl etger	0.400	U	0.400	2.00
1,1-p icgloVroSene	0.210	U	0.210	1.00
cis-1,A-p icgloVroSene	0.1v0	U	0.1v0	1.00
Toluene	0.140	U	0.140	1.00
trLns-1,A-p icgloVroSene	0.210	U	0.210	1.00
1,1,2-TricgloVetgLne	0.2v0	U	0.2v0	1.00
TetrLcgloroetgene	0.1A0	U	0.1A0	1.00
1,A-p icgloVroSLne	0.220	U	0.220	1.00
CgloVibromometgLne	0.140	U	0.140	1.00
1,2-p ibromoetgLne	0.1v0	U	0.1v0	1.00
Cglorobenzene	0.120	U	0.120	1.00
1,1,1,2-TetrLcgloroetgLne	0.1v0	U	0.1v0	1.00
Etgylbenzene	0.110	U	0.110	1.00
m-Xylene & S-Xylene	0.150	U	0.150	1.00
Xylenes, TotLI	0.260	U	0.260	1.00
o-Xylene	0.120	U	0.120	1.00
atyrene	0.0500	U	0.0500	1.00
7 romoform	0.190	U	0.190	1.00
IsoSroSylbenzene	0.1v0	U	0.1v0	1.00
7 romobenzene	0.190	U	0.190	1.00
1,2,A-TricgloVroSLne	0.290	U	0.290	1.00
1,1,2,2-TetrLcgloroetgLne	0.220	U	0.220	1.00

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-100925-1

Client Sample ID: ARTESIA-MW11-10172014

3Lb aLmSle Ip: 600-100925-20

Client MLtriD x Lter

pLte aLmSleW 10d15d201/ 1/ 00

pLte 8ecciReW 10d21d201/ 1002

8260B Volatile Organic Compounds (GC/MS)

VnLlysis MetgoW	v2607	VnLlysis 7Ltcg:	600-1/ 55A2	Instrument Ip:	CHhOVMA05
PreS MetgoW	40A07	PreS 7Ltcg:	Nd/	3Lb Bile Ip:	VA0010.p
p ilution:	1.0			InitiLi x eiFgtth olume:	20 m3
VnLlysis pLte:	10d25d201/ 1/ 22			BinLI x eiFgtth olume:	20 m3
PreS pLte:	10d25d201/ 1/ 22				

VnLlyte	8esult (uFdB)	QuLlifier	Mp3	83
N-ProSylbenzene	0.140	U	0.140	1.00
2-Cglorotoluene	0.1A0	U	0.1A0	1.00
/ -Cglorotoluene	0.1/ 0	U	0.1/ 0	1.00
1,A4-Trimetgylbenzene	0.100	U	0.100	1.00
tert-7 utylbenzene	0.0v00	U	0.0v00	1.00
S-IsoSroSyltoluene	0.100	U	0.100	1.00
1,2,/ -Trimetgylbenzene	0.1/ 0	U	0.1/ 0	1.00
sec-7 utylbenzene	0.120	U	0.120	1.00
1,A-p icglorobenzene	0.1A0	U	0.1A0	1.00
1,/ -p icglorobenzene	0.110	U	0.110	1.00
1,2-p icglorobenzene	0.100	U	0.100	1.00
n-7 utylbenzene	0.160	U	0.160	1.00
1,2-p ibromo-A-CgloroSroSLne	0.v10	U	0.v10	1.00
1,2,/ -Tricglorobenzene	0.A10	U	0.A10	1.00
HeDLcglorobutLWene	0.150	U	0.150	1.00
NLSgtgLlene	0.A20	U	0.A20	2.00
1,2,A-Tricglorobenzene	0.450	U *	0.450	1.00

aurroFLte	%8 ec	QuLlifier	VcceStLnce 3imits
/ -7 romofluorobenzene	v4		65 - 1A9
p ibromofluorometgLne	10/		62 - 1A0
Toluene-W (aurr)	121		50 - 1A0
1,2-p icgloroetgLne-W (aurr)	91		40 - 1A/

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-100925-1

Client Sample ID: ARTESIA-TB02-10202014

3Lb aLmSle Ip: 600-100925-21
Client MLtriD x Lter

pLte aLmSleW 10d20d01/ 1000
pLte 8eeceReW 10d21d01/ 1002

8260B Volatile Organic Compounds (GC/MS)

VnLlysis MetgoW	v2607	VnLlysis 7Ltcg:	600-1/ 55A2	Instrument Ip:	CHhOVMa05
PreS MetgoW	40A07	PreS 7Ltcg:	Nd/	3Lb Bile Ip:	VA0006.p
pilution:	1.0			InitiLI x eiFgtdholume:	20 m3
VnLlysis pLte:	10d25d01/ 1245			BinLI x eiFgtdholume:	20 m3
PreSpLte:	10d25d01/ 1245				

VnLlyte	8esult (uFdB)	QuLlifier	Mp3	83
p icgloVfluorometgLne	0.120	U	0.120	1.00
CglorometgLne	0.1v0	U	0.1v0	2.00
h inyl cgloriV	0.110	U	0.110	2.00
7romometgLne	0.240	U	0.240	2.00
CgloroetgLne	0.0v00	U	0.0v00	2.00
TricgloVfluorometgLne	0.0v00	U	0.0v00	1.00
1,1-p icgloVetgene	0.190	U	0.190	1.00
trLns-1,2-p icgloVetgene	0.0900	U	0.0900	1.00
Metgyl tert-butyl etger	0.120	U	0.120	1.00
Metgylene CgloriV	1.12	J 7	0.140	4.00
cis-1,2-p icgloVetgene	0.0600	U	0.0600	1.00
2-7 utLnone (MEK)	0.560	U	0.560	2.00
7romocglorometgLne	0.1v0	U	0.1v0	1.00
CLrbon tetrLcgloriV	0.140	U	0.140	1.00
7 enzene	0.609	J	0.0v00	1.00
1,2-p icgloVetgLne	0.1/ 0	U	0.1/ 0	1.00
TricgloVetgene	0.1v0	U	0.1v0	1.00
1,1,1-TricgloVetgLne	0.140	U	0.140	1.00
1,1-p icgloVetgLne	0.110	U	0.110	1.00
1,2-p icgloVroSLne	0.160	U	0.160	1.00
2,2-p icgloVroSLne	0.1A0	U	0.1A0	1.00
p ibromometgLne	0.420	U	0.420	1.00
CgloVroform	0.1A0	U	0.1A0	1.00
7romoVcglorometgLne	0.160	U	0.160	1.00
2-CgloVetgyl Rnyl etger	0.400	U	0.400	2.00
1,1-p icgloVroSene	0.210	U	0.210	1.00
cis-1,A-p icgloVroSene	0.1v0	U	0.1v0	1.00
Toluene	0.140	U	0.140	1.00
trLns-1,A-p icgloVroSene	0.210	U	0.210	1.00
1,1,2-TricgloVetgLne	0.2v0	U	0.2v0	1.00
TetrLcgloroVetgene	0.1A0	U	0.1A0	1.00
1,A-p icgloVroSLne	0.220	U	0.220	1.00
CgloVibromometgLne	0.140	U	0.140	1.00
1,2-p ibromoetgLne	0.1v0	U	0.1v0	1.00
CgloVbenzene	0.120	U	0.120	1.00
1,1,1,2-TetrLcgloroVetgLne	0.1v0	U	0.1v0	1.00
Etgylbenzene	0.110	U	0.110	1.00
m-Xylene & S-Xylene	0.150	U	0.150	1.00
Xylenes, TotLI	0.260	U	0.260	1.00
o-Xylene	0.120	U	0.120	1.00
atyrene	0.0500	U	0.0500	1.00
7romoform	0.190	U	0.190	1.00
IsoSroSylbenzene	0.1v0	U	0.1v0	1.00
7romobenzene	0.190	U	0.190	1.00
1,2,A-TricgloVroSLne	0.290	U	0.290	1.00
1,1,2,2-TetrLcgloroVetgLne	0.220	U	0.220	1.00

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-100925-1

Client Sample ID: ARTESIA-TB02-10202014

3Lb aLmSle Ip: 600-100925-21
Client MLtriD x Lter

pLte aLmSleW 10d20d201/ 1000
pLte 8ecciReW 10d21d201/ 1002

8260B Volatile Organic Compounds (GC/MS)

VnLlysis MetgoW v2607 VnLlysis 7Ltcg: 600-1/ 55A2 Instrument Ip: CHhOVMA05
PreS MetgoW 40A07 PreS 7Ltcg: Nd/ 3Lb Bile Ip: VA0006.p
p ilution: 1.0 InitiLI x eiFgtth olume: 20 m3
VnLlysis pLte: 10d25d201/ 1245 BinLI x eiFgtth olume: 20 m3
PreS pLte: 10d25d201/ 1245

VnLlyte	8esult (uFdB)	QuLlifier	Mp3	83
N-ProSylbenzene	0.140	U	0.140	1.00
2-Cglorotoluene	0.1A0	U	0.1A0	1.00
/ -Cglorotoluene	0.1/ 0	U	0.1/ 0	1.00
1,A4-Trimetgylbenzene	0.100	U	0.100	1.00
tert-7 utylbenzene	0.0v00	U	0.0v00	1.00
S-IsoSroSyltoluene	0.100	U	0.100	1.00
1,2,/ -Trimetgylbenzene	0.1/ 0	U	0.1/ 0	1.00
sec-7 utylbenzene	0.120	U	0.120	1.00
1,A-p icglorobenzene	0.1A0	U	0.1A0	1.00
1,/ -p icglorobenzene	0.110	U	0.110	1.00
1,2-p icglorobenzene	0.100	U	0.100	1.00
n-7 utylbenzene	0.160	U	0.160	1.00
1,2-p ibromo-A-CgloroSroSLne	0.v10	U	0.v10	1.00
1,2,/ -Tricglorobenzene	0.A10	U	0.A10	1.00
HeDLcglorobutLWene	0.150	U	0.150	1.00
NLSgtgLlene	0.A20	U	0.A20	2.00
1,2,A-Tricglorobenzene	0.450	U *	0.450	1.00

aurroFLte	%8 ec	QuLlifier	VcceStLnce 3imits
/ -7 romofluorobenzene	5/		65 - 1A9
p ibromofluorometgLne	v9		62 - 1A0
Toluene-W (aurr)	11/		50 - 1A0
1,2-p icgloroetgLne-W (aurr)	59		40 - 1A/

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-100925-1

Client Sample ID: ARTESIA-MW26-10142014

3Lb aLmSle Ip: 600-100925-1

Client MLtriD x Lter

pLte aLmSleW 10d1/ d201/ 1444

pLte 8eeciReW 10d1/ d201/ 1002

6020 Metals (ICP/MS)-Dissolved

VnLlysis MetgoW	6020	VnLlysis 7Ltcg:	460-10vv49	Instrument Ip:	MicSms
PreS MetgoW	A010V	PreS 7Ltcg:	460-10vv19	3Lb Bile Ip:	0v2aMP3.p
p ilution:	1.0			InitiLI x eiFgttholume:	40 m3
VnLlysis pLte:	10d29d201/ 1921			BinLI x eiFgttholume:	40 m3
PreS pLte:	10d29d201/ 05A2				

VnLlyte	8esult (mFδ)	QuLlifier	Mp3	83
MLnFLnese, p issolReW	0.0116	U	0.0116	0.0400

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-100925-1

Client Sample ID: ARTESIA-MW29-10152014

3Lb aLmSle Ip: 600-100925-/

Client MLtriD x Lter

pLte aLmSleW 10d14d201/ 1044

pLte 8eeciReW 10d21d201/ 1002

6020 Metals (ICP/MS)-Dissolved

VnLlysis MetgoW 6020

PreS MetgoW A010V

pilution: 1.0

VnLlysis pLte: 10d29d201/ 1925

PreS pLte: 10d29d201/ 05A2

VnLlysis 7Ltcg: 460-10vv49

PreS 7Ltcg: 460-10vv19

Instrument Ip:

3Lb Bile Ip:

InitiLI x eiFgttholume:

BinLI x eiFgttholume:

MicSms

0vAaMP3.p

40 m3

40 m3

VnLlyte

8esult (mFδ)

QuLlifier

Mp3

83

MLnFLnese, p issolReW

0.0116

U

0.0116

0.0400

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-100925-1

Client Sample ID: ARTESIA-MW30-10152014

3Lb aLmSe Ip: 600-100925-4
Client MLtriD x Lter

pLte aLmSeW 10d14d201/ 11A4
pLte 8eeciReW 10d21d201/ 1002

6020 Metals (ICP/MS)-Dissolved

VnLlysis MetgoW	6020	VnLlysis 7Ltcg:	460-10vv49	Instrument Ip:	MicSms
PreS MetgoW	A010V	PreS 7Ltcg:	460-10vv19	3Lb Bile Ip:	0v9aMP3.p
p ilution:	1.0			InitiLI x eiFgth olume:	40 m3
VnLlysis pLte:	10d29d201/ 2001			BinLI x eiFgth olume:	40 m3
PreS pLte:	10d29d201/ 05A2				

VnLlyte	8 esult (mFδ)	QuLlifier	Mp 3	8 3
MLnFLnese, p issolReW	0.0116	U	0.0116	0.0400

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-100925-1

Client Sample ID: ARTESIA-MW28-10152014

3Lb aLmSle Ip : 600-100925-6
Client MLtriD x Lter

pLte aLmSleW 10d14d201/ 1210
pLte 8eeciReW 10d21d201/ 1002

6020 Metals (ICP/MS)-Dissolved

VnLlysis MetgoW	6020	VnLlysis 7Ltcg:	460-10vv49	Instrument Ip :	MicSms
PreS MetgoW	A010V	PreS 7Ltcg:	460-10vv2v	3Lb Bile Ip :	095aMP3.p
p ilution:	1.0			InitiLI x eiFgtth olume:	40 m3
VnLlysis pLte:	10d29d201/ 20/ 6			BinLI x eiFgtth olume:	40 m3
PreS pLte:	10d29d201/ 1200				

VnLlyte	8 esult (mFδ)	QuLlifier	Mp 3	8 3
MLnFLnese, p issolReW	0.0116	U	0.0116	0.0400

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-100925-1

Client Sample ID: ARTESIA-DUP02-10152014

3Lb aLmSle Ip: 600-100925-5
Client MLtriD x Lter

pLte aLmSleW 10d14d201/ 12/ 4
pLte 8ecciReW 10d21d201/ 1002

6020 Metals (ICP/MS)-Dissolved

VnLlysis MetgoW	6020	VnLlysis 7Ltcg:	460-10vv49	Instrument Ip:	MicSms
PreS MetgoW	A010V	PreS 7Ltcg:	460-10vv2v	3Lb Bile Ip:	09vaMP3.p
p ilution:	1.0			InitiLI x eiFgttholume:	40 m3
VnLlysis pLte:	10d29d201/ 2042			BinLI x eiFgttholume:	40 m3
PreS pLte:	10d29d201/ 1200				

VnLlyte	8esult (mFδ)	QuLlifier	Mp 3	8 3
MLnFLnese, p issolReW	0.0116	U	0.0116	0.0400

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-100925-1

Client Sample ID: ARTESIA-MW32-10152014

3Lb aLmSle Ip: 600-100925-v

Client MLtriD x Lter

pLte aLmSleW 10d14d201/ 1/ 20

pLte 8eeciReW 10d21d201/ 1002

6020 Metals (ICP/MS)-Dissolved

VnLlysis MetgoW	6020	VnLlysis 7Ltcg:	460-10vv49	Instrument Ip:	MicSms
PreS MetgoW	A010V	PreS 7Ltcg:	460-10vv2v	3Lb Bile Ip:	10/ aMP3.p
p ilution:	1.0			InitiLI x eiFgtth olume:	40 m3
VnLlysis pLte:	10d29d201/ 2126			BinLI x eiFgtth olume:	40 m3
PreS pLte:	10d29d201/ 1200				

VnLlyte	8esult (mFδ)	QuLlifier	Mp 3	8 3
MLnFLnese, p issolReW	0.0116	U	0.0116	0.0400

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-100925-1

Client Sample ID: ARTESIA-MW34-10152014

3Lb aLmSle Ip : 600-100925-9
Client MLtriD x Lter

pLte aLmSleW 10d14d201/ 1414
pLte 8ecciReW 10d21d201/ 1002

6020 Metals (ICP/MS)-Dissolved

VnLlysis MetgoW	6020	VnLlysis 7Ltcg:	460-10vv49	Instrument Ip :	MicSms
PreS MetgoW	A010V	PreS 7Ltcg:	460-10vv2v	3Lb Bile Ip :	09AaMP3.p
p ilution:	1.0			InitiLI x eiFgtth olume:	40 m3
VnLlysis pLte:	10d29d201/ 202/			BinLI x eiFgtth olume:	40 m3
PreS pLte:	10d29d201/ 1200				

VnLlyte	8 esult (mFδ)	QuLlifier	Mp 3	8 3
MLnFLnese, p issolReW	0.0116	U	0.0116	0.0400

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-100925-1

Client Sample ID: ARTESIA-MW22-10162014

3Lb aLmSle Ip : 600-100925-10
Client MLtriD x Lter

pLte aLmSleW 10d16d201/ 1020
pLte 8eeciReW 10d21d201/ 1002

6020 Metals (ICP/MS)-Dissolved

VnLlysis MetgoW	6020	VnLlysis 7Ltcg:	460-10vv49	Instrument Ip :	MicSms
PreS MetgoW	A010V	PreS 7Ltcg:	460-10vv2v	3Lb Bile Ip :	104aMP3.p
p ilution:	1.0			InitiLI x eiFgtth olume:	40 m3
VnLlysis pLte:	10d29d201/ 21A2			BinLI x eiFgtth olume:	40 m3
PreS pLte:	10d29d201/ 1200				

VnLlyte	8 esult (mFδ)	QuLlifier	Mp 3	8 3
MLnFLnese, p issolReW	0.0116	U	0.0116	0.0400

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-100925-1

Client Sample ID: ARTESIA-MW31-101620143Lb aLmSle Ip: 600-100925-11
Client MLtriD x LterpLte aLmSleW 10d16d201/ 1110
pLte 8eeciReW 10d21d201/ 1002**6020 Metals (ICP/MS)-Dissolved**

VnLlysis MetgoW	6020	VnLlysis 7Ltcg:	460-10vv49	Instrument Ip:	MicSms
PreS MetgoW	A010V	PreS 7Ltcg:	460-10vv2v	3Lb Bile Ip:	106aMP3.p
pilution:	1.0			InitiLI x eiFgttholume:	40 m3
VnLlysis pLte:	10d29d201/ 21A5			BinLI x eiFgttholume:	40 m3
PreS pLte:	10d29d201/ 1200				

VnLlyte	8esult (mFδ)	QuLlifier	Mp3	83
MLnFLnese, p issolReW	0.1Av		0.0116	0.0400

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-100925-1

Client Sample ID: ARTESIA-MW21-10162014

3Lb aLmSle Ip: 600-100925-12
Client MLtriD x Lter

pLte aLmSleW 10d16d201/ 1A00
pLte 8eeciReW 10d21d201/ 1002

6020 Metals (ICP/MS)-Dissolved

VnLlysis MetgoW	6020	VnLlysis 7Ltcg:	460-10vv49	Instrument Ip:	MicSms
PreS MetgoW	A010V	PreS 7Ltcg:	460-10vv2v	3Lb Bile Ip:	105aMP3.p
pilution:	1.0			InitiLI x eiFgth volume:	40 m3
VnLlysis pLte:	10d29d201/ 21/ A			BinLI x eiFgth volume:	40 m3
PreS pLte:	10d29d201/ 1200				

VnLlyte	8 result (mFδ)	QuLlifier	Mp 3	8 3
MLnFLnese, p issolReW	0.0116	U	0.0116	0.0400

Analytical Data

Client: CH2M Hill Constructors, Inc.

Job Number: 600-100925-1

Client Sample ID: ARTESIA-MW18-10162014

3Lb aLmSe Ip: 600-100925-1A
Client MLtriD x Lter

pLte aLmSeW 10d16d201/ 1A40
pLte 8eeciReW 10d21d201/ 1002

6020 Metals (ICP/MS)-Dissolved

VnLlysis MetgoW	6020	VnLlysis 7Ltcg:	460-10vv49	Instrument Ip:	MicSms
PreS MetgoW	A010V	PreS 7Ltcg:	460-10vv2v	3Lb Bile Ip:	10vaMP3.p
pilution:	1.0			InitiLI x eiFgth volume:	40 m3
VnLlysis pLte:	10d29d201/ 21/ 9			BinLI x eiFgth volume:	40 m3
PreS pLte:	10d29d201/ 1200				

VnLlyte	8 result (mFδ)	QuLlifier	Mp 3	8 3
MLnFLnese, p issolReW	0.0116	U	0.0116	0.0400

Client: CH2M Hill Constructors, Inc.

Job Number: 600-100927-1

Surrogate Recovery Report**8260B Volatile Organic Compounds (GC/MS)****Client Matrix: Water**

Lab Sample ID	Client Sample ID	DBFM %Rec	DCA %Rec	TOL %Rec	BFB %Rec
600-100927-1	ARTESIA-MW26-101 42014	106	89	122	84
600-100927-2	ARTESIA-TB01-1014 2014	100	87	120	82
600-100927-3	ARTESIA-MW33-101 52014	103	89	122	84
600-100927-4	ARTESIA-MW29-101 52014	105	92	119	77
600-100927-5	ARTESIA-MW30-101 52014	107	92	116	81
600-100927-6	ARTESIA-MW28-101 52014	104	89	117	85
600-100927-7	ARTESIA-DUP02-101 52014	104	90	115	84
600-100927-8	ARTESIA-MW32-101 52014	103	90	119	77
600-100927-9	ARTESIA-MW34-101 52014	106	96	116	81
600-100927-10	ARTESIA-MW22-101 62014	107	91	124	88
600-100927-11	ARTESIA-MW31-101 62014	108	97	117	81
600-100927-12	ARTESIA-MW21-101 62014	106	95	125	83
600-100927-13	ARTESIA-MW18-101 62014	100	91	118	87
600-100927-14	ARTESIA-MW20-101 62014	105	90	121	78
600-100927-15	ARTESIA-MW15-101 72014	105	91	121	80
600-100927-16	ARTESIAMW17C-101 72014	104	92	122	81
600-100927-17	ARTESIA-MW12-101 72014	96	87	104	63X
600-100927-17 DL	ARTESIA-MW12-101 72014 DL	94	85	118	79

Surrogate	Acceptance Limits
DBFM = Dibromofluoromethane	62-130
DCA = 1,2-Dichloroethane-d4 (Surr)	50-134
TOL = Toluene-d8 (Surr)	70-130
BFB = 4-Bromofluorobenzene	67-139

Client: CH2M Hill Constructors, Inc.

Job Number: 600-100927-1

Surrogate Recovery Report**8260B Volatile Organic Compounds (GC/MS)****Client Matrix: Water**

Lab Sample ID	Client Sample ID	DBFM %Rec	DCA %Rec	TOL %Rec	BFB %Rec
600-100927-18	ARTESIA-MW7-1017 2014	105	91	121	80
600-100927-19	ARTESIA-MW8-1017 2014	107	94	127	81
600-100927-20	ARTESIA-MW11-101 72014	104	91	121	85
600-100927-21	ARTESIA-TB02-1020 2014	89	79	114	74
MB 600-147711/6		95	82	111	82
MB 600-147732/5		96	84	107	81
LCS 600-147711/3		105	86	110	82
LCS 600-147732/14		96	83	102	76
LCSD 600-147711/4		98	80	103	76
600-100927-9 MS	ARTESIA-MW34-101 52014 MS	100	84	108	79
600-100927-9 MSD	ARTESIA-MW34-101 52014 MSD	96	83	104	74

Surrogate	Acceptance Limits
DBFM = Dibromofluoromethane	62-130
DCA = 1,2-Dichloroethane-d4 (Surr)	50-134
TOL = Toluene-d8 (Surr)	70-130
BFB = 4-Bromofluorobenzene	67-139

Quality Control Results

Client: CH52 Hill ConMrustorMc,nsI

Job Number: 600-100953-1

Method Blank - Batch: 600-147711

Method: 8260B Preparation: 5030B

DVb LVnSle ,x : 2 O 600-173311f6
Client 2 Wria: . Wer
x ilution: 110
VnWBMMx VWe: 10f56f5017 1516
y reS x VWe: 10f56f5017 1516
DeVtg x VWe: NfV

VnWBMMOWsg: 600-173311
y reS OWsg: NfV
DeVtg OWsg: NfV
4 nitM uFD

,nMrument ,x : CH/ UV2 L03
DVb pile ,x : V5990Alx
,nitiW. eiFgth/ olume: 50 mD
pinW. eiFgth/ olume: 50 mD

VnWBte	PeMlt	RuW	2 x D	PD
x isgloroQduorometgVWe	01150	4	01150	1100
CglorometgVWe	011f 0	4	011f 0	5100
/ inB i sgloriQe	01110	4	01110	5100
OromometgVWe	015A0	4	015A0	5100
CgloroetgVWe	010f 00	4	010f 00	5100
8risgloroduorometgVWe	010f 00	4	010f 00	1100
1cl-x isgloroetgene	01190	4	01190	1100
trVMM1cl-x isgloroetgene	010900	4	010900	1100
2 etgB tert-butB etger	01150	4	01150	1100
2 etgBene CgloriQe	011A0	4	011A0	A100
siM1cl-x isgloroetgene	010600	4	010600	1100
5-OutVhone T2 (EK	01360	4	01360	5100
OromosglorometgVWe	011f 0	4	011f 0	1100
CWbon tetrVsgloriQe	011A0	4	011A0	1100
Oen) ene	010f 00	4	010f 00	1100
1cl-x isgloroetgVWe	01170	4	01170	1100
8risgloroetgene	011f 0	4	011f 0	1100
1clcl-8risgloroetgVWe	011A0	4	011A0	1100
1cl-x isgloroetgVWe	01110	4	01110	1100
1cl-x isgloroSroSVWe	01160	4	01160	1100
5cl-x isgloroSroSVWe	011z0	4	011z0	1100
x ibromometgVWe	01A50	4	01A50	1100
Cglorodrm	011z0	4	011z0	1100
OromoQsglorometgVWe	01160	4	01160	1100
5-CgloroetgB vinB etger	01A00	4	01A00	5100
1cl-x isgloroSroSene	01510	4	01510	1100
siM1cl-x isgloroSroSene	011f 0	4	011f 0	1100
8oluene	011A0	4	011A0	1100
trVMM1cl-x isgloroSroSene	01510	4	01510	1100
1clcl-8risgloroetgVWe	015f 0	4	015f 0	1100
8etrVsgloroetgene	011z0	4	011z0	1100
1cl-x isgloroSroSVWe	01550	4	01550	1100
CgloroQbromometgVWe	011A0	4	011A0	1100
1cl-x ibromoetgVWe	011f 0	4	011f 0	1100
Cgloroben) ene	01150	4	01150	1100
1clclcl-8etrVsgloroetgVWe	011f 0	4	011f 0	1100
(tgBben) ene	01110	4	01110	1100
m-XBene & S-XBene	01130	4	01130	1100
XBeneMc8otW	01560	4	01560	1100
o-XBene	01150	4	01150	1100
LtBene	010300	4	010300	1100
Oromodrm	01190	4	01190	1100
,MbSroSBben) ene	011f 0	4	011f 0	1100
Oromoben) ene	01190	4	01190	1100
1clcl-8risgloroSroSVWe	01590	4	01590	1100

Quality Control Results

Client: CH52 Hill ConMrustorMc,nsI

Job Number: 600-100953-1

Method Blank - Batch: 600-147711

Method: 8260B Preparation: 5030B

DVb LVnSle ,x : 2 O 600-173311f6
Client 2 Wria: . Wer
x ilution: 110
VnWBMMx VWe: 10f56f5017 1516
y reS x VWe: 10f56f5017 1516
DeVtg x VWe: NfV

VnWBMMOWsg: 600-173311
y reS OWsg: NfV
DeVtg OWsg: NfV
4 nitM uFD

,nMrument ,x : CH/ UV2 L03
DVb pile ,x : V5990Alx
,nitV. eiFgth olume: 50 mD
pinV. eiFgth olume: 50 mD

VnWBte	PeMlt	RuW	2 x D	PD
1c15-8etrVgloroetgVWe	01550	4	01550	1100
N-y roSBben) ene	011A0	4	011A0	1100
5-Cglorotoluene	011z0	4	011z0	1100
7-Cglorotoluene	01170	4	01170	1100
1α-8rimetgBben) ene	01100	4	01100	1100
tert-OutBben) ene	010f 00	4	010f 00	1100
S-,MroSBtoluene	01100	4	01100	1100
15-8rimetgBben) ene	01170	4	01170	1100
Mes-OutBben) ene	01150	4	01150	1100
1α-x isgloroben) ene	011z0	4	011z0	1100
17-x isgloroben) ene	01110	4	01110	1100
15-x isgloroben) ene	01100	4	01100	1100
n-OutBben) ene	01160	4	01160	1100
15-x ibromo-z-CgloroSroSVWe	01f 10	4	01f 10	1100
15-8risgloroben) ene	01z10	4	01z10	1100
HeaVglorobutVQene	01130	4	01130	1100
NVtgVWe	01z50	4	01z50	5100
15-8risgloroben) ene	01A30	4	01A30	1100

LurroFVWe	% Pes	VsseStWse DimitM
7-Cromoduoroben) ene	f 5	63 - 1z9
x ibromoduorometgVWe	9A	65 - 1z0
8oluene-Q TLurrK	111	30 - 1z0
15-x isgloroetgVWe-Q TLurrK	f 5	A0 - 1z7

Quality Control Results

Client: CH52 Hill ConMrustorMc,nsI

Job Number: 600-100953-1

**Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 600-147711**

**Method: 8260B
Preparation: 5030B**

DCL D/Vb LVnSle ,x :	DCL 600-173311fz	VnWBMMOWsg:	600-173311	,nMrument ,x :	CH/ UV2 L03
Client 2 Wria:	. Wer	yreS OWsg:	NH	D/Vb pile ,x :	V59905Ix
x ilution:	110	DeVtg OWsg:	NH	,nitiW. eiFgth/ olume:	50 mD
VnWBMMx We:	10f56f5017 1055	4 nitM	uFD	pinW. eiFgth/ olume:	50 mD
yreS x We:	10f56f5017 1055				50 mD
DeVtg x We:	NH				

DCLx D/Vb LVnSle ,x :	DCLx 600-173311f7	VnWBMMOWsg:	600-173311	,nMrument ,x :	CH/ UV2 L03
Client 2 Wria:	. Wer	yreS OWsg:	NH	D/Vb pile ,x :	V5990zIx
x ilution:	110	DeVtg OWsg:	NH	,nitiW. eiFgth/ olume:	50 mD
VnWBMMx We:	10f56f5017 10A1	4 nitM	uFD	pinW. eiFgth/ olume:	50 mD
yreS x We:	10f56f5017 10A1				50 mD
DeVtg x We:	NH				

VnWBte	% Pesl		Dmit	Pyx	Pyx Dmit	DCL RuW	DCLx RuW
	DCL	DCLx					
x isgloroQduorometgVne	36	37	10 - 1A0	z	50		
CglorometgVne	fz	39	10 - 1A0	7	50		
/ inEl sgloriQe	105	9z	zz - 1A0	9	50		
OromometgVne	15A	117	5A - 1A0	9	50		
CgloroetgVne	117	107	73 - 1A0	9	50		
8risgloroduorometgVne	173	1z3	7z - 1A0	3	50		
1cl-x isgloroetgene	11f	11A	Af - 17f	5	50		
trVhM15-x isgloroetgene	10f	111	6f - 1z1	z	50		
2 etgEl tert-butEl etger	9A	9f	A6 - 1z5	z	50		
2 etgElene CgloriQe	100	9f	AA - 173	5	50		
siM15-x isgloroetgene	10z	10z	6f - 1z0	1	50		
5-OutVhne T2 (EK	9A	9f	71 - 171	z	50		
OromosglorometgVne	115	115	Af - 1z0	0	50		
CWbon tetrVgloriQe	157	15z	30 - 177	1	50		
Oen)ene	93	93	30 - 1z0	1	50		
15-x isgloroetgVne	91	95	63 - 1z7	1	50		
8risgloroetgene	150	15z	30 - 1z0	5	50		
1clcl-8risgloroetgVne	157	151	30 - 1z6	z	50		
1cl-x isgloroetgVne	95	9A	30 - 170	z	50		
15-x isgloroSroSVne	103	109	30 - 1z0	5	50		
55-x isgloroSroSVne	157	156	67 - 179	5	50		
x ibromometgVne	91	9f	30 - 1z0	f	50		
Cglorodrm	110	110	30 - 1z0	1	50		
OromoQsglorometgVne	100	105	30 - 1z1	5	50		
5-CgloroetgEl vinEl etger	3f	f 5	10 - 1A0	7	50		
1cl-x isgloroSroSene	99	101	30 - 1z3	5	50		
siM1az-x isgloroSroSene	f 9	90	A3 - 1z0	1	50		
8oluene	110	109	30 - 1z0	1	50		
trVhM1az-x isgloroSroSene	fz	f 3	60 - 1z0	7	50		
1cl5-8risgloroetgVne	107	107	30 - 1z0	1	50		
8etrVgloroetgene	10A	107	73 - 1A0	0	50		
1az-x isgloroSroSVne	9A	93	30 - 1z0	5	50		
CgloroQbromometgVne	110	115	65 - 1z0	1	50		
15-x ibromoetgVne	107	106	63 - 1z0	1	50		
Cgloroben)ene	110	111	69 - 1z0	1	50		
1clcl5-8etrVgloroetgVne	157	153	30 - 1z0	5	50		

Quality Control Results

Client: CH52 Hill ConMrustorMc,nsI

Job Number: 600-100953-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 600-147711

Method: 8260B
Preparation: 5030B

DCL D/Vb LVnSle ,x :	DCL 600-173311fz	VnWBMMOWsg:	600-173311	,nMrument ,x :	CH/ UV2 L03
Client 2 Wria:	. Wer	y reS OWsg:	NH	D/Vb pile ,x :	V59905Ix
x ilution:	110	DeVtg OWsg:	NH	,nitiW. eiFgth/ olume:	50 mD
VnWBMMx We:	10f56f5017 1055	4 nitM	uFD	pinW. eiFgth/ olume:	50 mD
y reS x We:	10f56f5017 1055				50 mD
DeVtg x We:	NH				

DCLx D/Vb LVnSle ,x :	DCLx 600-173311f7	VnWBMMOWsg:	600-173311	,nMrument ,x :	CH/ UV2 L03
Client 2 Wria:	. Wer	y reS OWsg:	NH	D/Vb pile ,x :	V5990zIx
x ilution:	110	DeVtg OWsg:	NH	,nitiW. eiFgth/ olume:	50 mD
VnWBMMx We:	10f56f5017 10A1	4 nitM	uFD	pinW. eiFgth/ olume:	50 mD
y reS x We:	10f56f5017 10A1				50 mD
DeVtg x We:	NH				

VnWBte	% Pesl		Dmit	Pyx	Pyx Dmit	DCL RuW	DCLx RuW
	DCL	DCLx					
(tgBben)ene	110	11z	30 - 1z0	z	50		
m-XBene & S-XBene	10A	10A	30 - 1z0	0	50		
XBeneMc8otW	106	106	30 - 1z0	0	50		
o-XBene	103	103	30 - 1z0	0	50		
LtBene	96	93	30 - 1z0	1	50		
Oromodrm	119	155	A7 - 1zz	5	50		
,MoSroSBben)ene	f A	f A	6A - 1z5	0	50		
Oromoben)ene	100	99	30 - 1z0	1	50		
15z-8risgloSroSVie	f 7	f 0	7f - 1z6	A	50		
1cl55-8etrVsgloroetgVie	3z	37	Af - 1zz	5	50		
N-yroSBben)ene	90	90	69 - 1z0	0	50		
5-Cglorotoluene	90	f 9	6A - 1z0	1	50		
7-Cglorotoluene	f 0	3f	30 - 1z0	z	50		
1zA-8rimetgBben)ene	f 6	f 7	69 - 1z0	5	50		
tert-OutBben)ene	97	9z	30 - 1z0	1	50		
S-,MoSroSBtoluene	f 6	f 6	30 - 1z0	0	50		
157-8rimetgBben)ene	f 6	f A	30 - 1z0	1	50		
MeS-OutBben)ene	f 9	90	6f - 1z0	1	50		
1z-x isgloroben)ene	101	10z	30 - 1z0	5	50		
17-x isgloroben)ene	95	91	30 - 1z0	1	50		
15-x isgloroben)ene	106	103	30 - 1z0	1	50		
n-OutBben)ene	f 6	f f	30 - 1z0	1	50		
15-x ibromo-z-CgloroSroSVie	106	95	71 - 175	17	50		
157-8risgloroben)ene	156	1zz	76 - 1A0	A	50		
HeaVsglorobutVQene	1z6	170	AA - 1A0	z	50		
NVsgtgVene	101	111	10 - 1A0	9	50		
15z-8risgloroben)ene	1z0	1A3	10 - 1A0	19	50		k

LurroFWte	DCL % Pes	DCLx % Pes	VsseStWse DmitM
7-Oromoduoroben)ene	f 5	36	63 - 1z9
x ibromoduorometgVie	10A	9f	65 - 1z0
8oluene-Q TLurrK	110	10z	30 - 1z0
15-x isgloroetgVie-Q TLurrK	f 6	f 0	A0 - 1z7

Quality Control Results

Client: CH52 Hill ConMrustorMc,nsI

Job Number: 600-100953-1

**Laboratory Control/
Laboratory Duplicate Data Report - Batch: 600-147711**

**Method: 8260B
Preparation: 5030B**

DCL DVW LVWnSle ,x : DCL 600-173311fz 4 nitM uFD
Client 2 Wria: . Wer
x ilution: 110
VnWBMMx VWe: 10f56f5017 1055
yreS x VWe: 10f56f5017 1055
DeVtg x VWe: NfV

DCLx DVW LVWnSle ,x : DCLx 600-173311f7
Client 2 Wria: . Wer
x ilution: 110
VnWBMMx VWe: 10f56f5017 10A1
yreS x VWe: 10f56f5017 10A1
DeVtg x VWe: NfV

VnWBte	DCL LSi*e Vmount	DCLx LSi*e Vmount	DCL PeMltfRuW	DCLx PeMltfRuW
x isgloroQduorometgVWe	10I0	10I0	3I675	3I700
CglorometgVWe	10I0	10I0	f I5f 5	3I979
/ inBI sgloriQe	10I0	10I0	10I16	9Iz09
OromometgVWe	10I0	10I0	15IA0	11Iz3
CgloroetgVWe	10I0	10I0	11Izf	10I71
8risgloroduorometgVWe	10I0	10I0	17I35	1zI66
1cl-x isgloroetgene	10I0	10I0	11I3f	11IA7
trVWM15-x isgloroetgene	10I0	10I0	10I36	11I0f
2 etgBI tert-butBI etger	10I0	10I0	9IA05	9I393
2 etgBIene CgloriQe	10I0	10I0	9I965	9I395
siM15-x isgloroetgene	10I0	10I0	10Iz7	10I5A
5-OutVnone T2 (EK	50I0	50I0	19I07	19IA5
OromosglorometgVWe	10I0	10I0	11I19	11I57
CWbon tetrVsglorige	10I0	10I0	15IzA	15I5f
Oen)ene	10I0	10I0	9I6Af	9I359
15-x isgloroetgVWe	10I0	10I0	9I1z9	9I57f
8risgloroetgene	10I0	10I0	15I07	15I56
1clcl-8risgloroetgVWe	10I0	10I0	15I77	15I10
1cl-x isgloroetgVWe	10I0	10I0	9I5z9	9I793
15-x isgloroSroSVWe	10I0	10I0	10I69	10If f
55-x isgloroSroSVWe	10I0	10I0	15Iz6	15IA6
x ibromometgVWe	10I0	10I0	9I037	9If z6
Cgloro0rm	10I0	10I0	11I07	10I9A
OromoQsglorometgVWe	10I0	10I0	10I00	10I5A
5-CgloroetgBI vinBI etger	50I0	50I0	1AI6A	16Iz6
1cl-x isgloroSroSene	10I0	10I0	9If 9A	10I11
siM1z-x isgloroSroSene	10I0	10I0	f I901	f I9f 6
8oluene	10I0	10I0	11I01	10If f
trVWM1z-x isgloroSroSene	10I0	10I0	f Iz7A	f I309
1cl5-8risgloroetgVWe	10I0	10I0	10I77	10Iz6
8etrVsgloroetgene	10I0	10I0	10I7f	10I77
1z-x isgloroSroSVWe	10I0	10I0	9IA59	9I373
CgloroQbromometgVWe	10I0	10I0	11I0z	11I19
15-x ibromoetgVWe	10I0	10I0	10I71	10IAA
Cgloroben)ene	10I0	10I0	11I05	11I0f
1clcl5-8etrVsgloroetgVWe	10I0	10I0	15I75	15I69
(tgBIben)ene	10I0	10I0	10I96	11Izz
m-XBIene & S-XBIene	10I0	10I0	10IA7	10IAA
XBIeneM:8otV	50I0	50I0	5I15z	5I150

Quality Control Results

Client: CH52 Hill ConMrustorMc,nsI

Job Number: 600-100953-1

**Laboratory Control/
Laboratory Duplicate Data Report - Batch: 600-147711**

**Method: 8260B
Preparation: 5030B**

DCL DV% LVWnSle ,x : DCL 600-173311fz 4 nitM uFD
Client 2 Wria: . Wer
x ilution: 110
VnWBMMx We: 10f56f5017 1055
y reS x We: 10f56f5017 1055
DeVtg x We: NfV

DCLx DV% LVWnSle ,x : DCLx 600-173311f7
Client 2 Wria: . Wer
x ilution: 110
VnWBMMx We: 10f56f5017 10A1
y reS x We: 10f56f5017 10A1
DeVtg x We: NfV

VnWBte	DCL LSi*e Vmount	DCLx LSi*e Vmount	DCL PeMultRuW	DCLx PeMultRuW
o-XBene	10I0	10I0	10I69	10I6A
LtBene	10I0	10I0	9I657	9I316
Oromodrm	10I0	10I0	11I9A	15I1A
,MoSroSBben) ene	10I0	10I0	f I736	f I79A
Oromoben) ene	10I0	10I0	9I9f A	9If 96
15cz-8risgloroSroSWie	10I0	10I0	f lz99	f I017
1cl55-8etrVsgloroetgVie	10I0	10I0	3Iz01	3I759
N-y roSBben) ene	10I0	10I0	9I019	f I9f z
5-Cglorotoluene	10I0	10I0	f I9A7	f If f 1
7-Cglorotoluene	10I0	10I0	f I050	3I3f A
15aA-8rimetgBben) ene	10I0	10I0	f I6z5	f I7z5
tert-OutBben) ene	10I0	10I0	9IzAf	9I5f 5
S-,MoSroSBtoluene	10I0	10I0	f I671	f I61f
1557-8rimetgBben) ene	10I0	10I0	f IA9f	f IAzz
Mes-OutBben) ene	10I0	10I0	f If 97	f I963
15x-x isgloroben) ene	10I0	10I0	10I17	10I59
157-x isgloroben) ene	10I0	10I0	9I166	9I10f
15-x isgloroben) ene	10I0	10I0	10IAA	10I30
n-OutBben) ene	10I0	10I0	f I673	f I3A5
15-x ibromo-z-CgloroSroSWie	10I0	10I0	10IAf	9I1f 7
1557-8risgloroben) ene	10I0	10I0	15IA3	1zI5f
HeaVsglorobutVQene	10I0	10I0	1zI6z	17I07
NVsgtgVene	10I0	10I0	10I10	11I09
15cz-8risgloroben) ene	10I0	10I0	1zI0A	1AI37 k

Quality Control Results

Client: CH52 Hill ConMrustorMc,nsi

Job Number: 600-100953-1

Method Blank - Batch: 600-147732

Method: 8260B

Preparation: 5030B

DVb LVnSle ,x : 2 O 600-1733z5fA
Client 2 Wria: . Wer
x ilution: 110
VnWBMMx VWe: 10f53f5017 11A9
y reS x VWe: 10f53f5017 11A9
DeVeg x VWe: NfV

VnWBMMOWsg: 600-1733z5
y reS OWsg: NfV
DeVeg OWsg: NfV
4 nitM uFD

,nMrument ,x : CH/ UV2 L03
DVb pile ,x : Vz0007Ix
,nitiV. eiFgth/ olume: 50 mD
pinV. eiFgth/ olume: 50 mD

VnWBte	PeMlt	RuW	2 x D	PD
x isgloroQduorometgVWe	01150	4	01150	1100
CglorometgVWe	011f 0	4	011f 0	5100
/ inB sgloriQe	01110	4	01110	5100
OromometgVWe	015A0	4	015A0	5100
CgloroetgVWe	010f 00	4	010f 00	5100
8risgloroduorometgVWe	010f 00	4	010f 00	1100
1cl-x isgloroetgene	01190	4	01190	1100
trVMM1cl-x isgloroetgene	010900	4	010900	1100
2 etgB tert-butB etger	01150	4	01150	1100
2 etgBene CgloriQe	1106z	J	011A0	A100
siM1cl-x isgloroetgene	010600	4	010600	1100
5-OutVhone T2 (EK	01360	4	01360	5100
OromosglorometgVWe	011f 0	4	011f 0	1100
CWbon tetrVsgloriQe	011A0	4	011A0	1100
Oen) ene	010f 00	4	010f 00	1100
1cl-x isgloroetgVWe	01170	4	01170	1100
8risgloroetgene	011f 0	4	011f 0	1100
1clcl-8risgloroetgVWe	011A0	4	011A0	1100
1cl-x isgloroetgVWe	01110	4	01110	1100
1cl-x isgloroSroSVWe	01160	4	01160	1100
5cl-x isgloroSroSVWe	011z0	4	011z0	1100
x ibromometgVWe	01A50	4	01A50	1100
Cglorodrm	011z0	4	011z0	1100
OromoQsglorometgVWe	01160	4	01160	1100
5-CgloroetgB vinB etger	01A00	4	01A00	5100
1cl-x isgloroSroSene	01510	4	01510	1100
siM1cl-x isgloroSroSene	011f 0	4	011f 0	1100
8oluene	011A0	4	011A0	1100
trVMM1cl-x isgloroSroSene	01510	4	01510	1100
1clcl-8risgloroetgVWe	015f 0	4	015f 0	1100
8etrVsgloroetgene	011z0	4	011z0	1100
1cl-x isgloroSroSVWe	01550	4	01550	1100
CgloroQbromometgVWe	011A0	4	011A0	1100
1cl-x ibromoetgVWe	011f 0	4	011f 0	1100
Cgloroben) ene	01150	4	01150	1100
1clclcl-8etrVsgloroetgVWe	011f 0	4	011f 0	1100
(tgBben) ene	01110	4	01110	1100
m-XBene & S-XBene	01130	4	01130	1100
XBeneMc8otV	01560	4	01560	1100
o-XBene	01150	4	01150	1100
LtBene	010300	4	010300	1100
Oromodrm	01190	4	01190	1100
,MroSroBben) ene	011f 0	4	011f 0	1100
Oromoben) ene	01190	4	01190	1100
1clcl-8risgloroSroSVWe	01590	4	01590	1100

Quality Control Results

Client: CH52 Hill ConMrustorMc,nsI

Job Number: 600-100953-1

Method Blank - Batch: 600-147732

Method: 8260B

Preparation: 5030B

DVb LVnSle ,x : 2 O 600-1733z5fA
Client 2 Wria: . Wer
x ilution: 110
VnWBMMx We: 10f53f5017 11A9
y reS x We: 10f53f5017 11A9
DeVtg x We: NfV

VnWBMMOWsg: 600-1733z5
y reS OWsg: NfV
DeVtg OWsg: NfV
4 nitM uFD

,nMrument ,x : CH/ UV2 L03
DVb pile ,x : Vz0007Ix
,nitV. eiFgth olume: 50 mD
pinV. eiFgth olume: 50 mD

VnWBte	PeMlt	RuW	2 x D	PD
1c15-8etrVgloroetgWe	01550	4	01550	1100
N-y roSBben) ene	011A0	4	011A0	1100
5-Cglorotoluene	011z0	4	011z0	1100
7-Cglorotoluene	01170	4	01170	1100
1zA-8rimetgBben) ene	01100	4	01100	1100
tert-OutBben) ene	010f 00	4	010f 00	1100
S-,MroSBtoluene	01100	4	01100	1100
157-8rimetgBben) ene	01170	4	01170	1100
Mes-OutBben) ene	01150	4	01150	1100
1z-x isgloroben) ene	011z0	4	011z0	1100
17-x isgloroben) ene	01110	4	01110	1100
15-x isgloroben) ene	01100	4	01100	1100
n-OutBben) ene	01160	4	01160	1100
15-x ibromo-z-CgloroSroSWe	01f 10	4	01f 10	1100
157-8risgloroben) ene	01z10	4	01z10	1100
HeaVglorobutVene	01130	4	01130	1100
NVgtgVene	01z50	4	01z50	5100
15z-8risgloroben) ene	01A30	4	01A30	1100

LurroFWe	% Pes	VsseStWse DimitM
7-Cromoduoroben) ene	f 1	63 - 1z9
x ibromoduorometgWe	96	65 - 1z0
8oluene-Q TLurrK	103	30 - 1z0
15-x isgloroetgWe-Q TLurrK	f 7	A0 - 1z7

Quality Control Results

Client: CH52 Hill ConMrustorMc,nsI

Job Number: 600-100953-1

Lab Control Sample - Batch: 600-147732

Method: 8260B

Preparation: 5030B

DVb LVnSle ,x : DCL 600-1733z5h17
Client 2 Wria: . Wer
x ilution: 110
VnWBMMx VWe: 10f53f5017 1613
y reS x VWe: 10f53f5017 1613
DeVtg x VWe: NfV

VnWBMMOWsg: 600-1733z5
y reS OWsg: NfV
DeVtg OWsg: NfV
4 nitM uFD

,nMrument ,x : CH/ UV2 L03
DVb pile ,x : Vz0017Ix
,nitiW. eiFgth olume: 50 mD
pinW. eiFgth olume: 50 mD

VnWBte	LSI* e Vmount	PeMlt	% Pesl	Dmit	RuW
x isgloroQduorometgVWe	10I0	7I90f	79	10 - 1A0	
CglorometgVWe	10I0	6IAzf	6A	10 - 1A0	
/ inB sgloriQe	10I0	f I5A3	f z	zz - 1A0	
OromometgVWe	10I0	9IAzA	9A	5A - 1A0	
CgloroetgVWe	10I0	f lz65	f 7	73 - 1A0	
8risgloroduorometgVWe	10I0	11I09	111	7z - 1A0	
1cl-x isgloroetgene	10I0	11IA7	11A	Af - 17f	
trVM15-x isgloroetgene	10I0	10IA7	10A	6f - 1z1	
2 etgB tert-butB etger	10I0	9IA66	96	A6 - 1z5	
2 etgBene CgloriQe	10I0	11Iz0	11z	AA - 173	
siM15-x isgloroetgene	10I0	9I356	93	6f - 1z0	
5-OutVnone T2 (EK	50I0	1f I5A	91	71 - 171	
OromosglorometgVWe	10I0	10I67	106	Af - 1z0	
CWbon tetrVgloriQe	10I0	11Iz6	117	30 - 177	
Oen) ene	10I0	9I016	90	30 - 1z0	
15-x isgloroetgVWe	10I0	f lf f f	f 9	63 - 1z7	
8risgloroetgene	10I0	11I55	115	30 - 1z0	
1clcl-8risgloroetgVWe	10I0	11I79	11A	30 - 1z6	
1cl-x isgloroetgVWe	10I0	f I937	90	30 - 170	
15-x isgloroSroSVWe	10I0	f I19f	f 5	30 - 1z0	
55-x isgloroSroSVWe	10I0	11I15	111	67 - 179	
x ibromometgVWe	10I0	f IA71	f A	30 - 1z0	
Cglorobrm	10I0	f I357	f 3	30 - 1z0	
OromoQsglorometgVWe	10I0	9I7f A	9A	30 - 1z1	
5-CgloroetgB vinB etger	50I0	17I3A	37	10 - 1A0	
1cl-x isgloroSroSene	10I0	9I709	97	30 - 1z3	
siM15-x isgloroSroSene	10I0	f lz73	f z	A3 - 1z0	
8oluene	10I0	9If 60	99	30 - 1z0	
trVM15-x isgloroSroSene	10I0	f lz19	f z	60 - 1z0	
1cl5-8risgloroetgVWe	10I0	9IAz1	9A	30 - 1z0	
8etrVsgloroetgene	10I0	9If 50	9f	73 - 1A0	
15-x isgloroSroSVWe	10I0	9I0A7	91	30 - 1z0	
CgloroQbromometgVWe	10I0	10I03	101	65 - 1z0	
15-x ibromoetgVWe	10I0	10I50	105	63 - 1z0	
Cgloroben) ene	10I0	10Iz6	107	69 - 1z0	
1clcl5-8etrVsgloroetgVWe	10I0	11I75	117	30 - 1z0	
(tgBben) ene	10I0	10Izz	10z	30 - 1z0	
m-XBene & S-XBene	10I0	9I971	99	30 - 1z0	
XBeneMc8otW	50I0	19I95	100	30 - 1z0	
o-XBene	10I0	9I936	100	30 - 1z0	
LtBene	10I0	9I76A	9A	30 - 1z0	
Oromobrm	10I0	6I769	6A	A7 - 1zz	
,MoSroSBben) ene	10I0	3I319	33	6A - 1z5	
Oromoben) ene	10I0	9Iz03	9z	30 - 1z0	
155-8risgloroSroSVWe	10I0	3I713	37	7f - 1z6	
1cl55-8etrVsgloroetgVWe	10I0	6I57A	65	Af - 1zz	

Quality Control Results

Client: CH52 Hill ConMstrorMc,nsi

Job Number: 600-100953-1

Lab Control Sample - Batch: 600-147732

Method: 8260B

Preparation: 5030B

DVb LVnSle ,x :	DCL 600-1733z5h17	VnWBMMOWsg:	600-1733z5	,nMrument ,x :	CH/ UV2 L03
Client 2 Wria:	. Wer	y reS OWsg:	NH	DVb pile ,x :	Vz0017Ix
x ilution:	110	DeVtg OWsg:	NH	,nitiW. eiFgth olume:	50 mD
VnWBMMx VWe:	10f53f5017 1613	4 nitM	uFD	pinW. eiFgth olume:	50 mD
y reS x VWe:	10f53f5017 1613				
DeVtg x VWe:	NH				

VnWBte	LSI* e Vmount	PeMilt	% Pesl	Dmit	RuW
N-yroSBben) ene	10I0	f lz77	f z	69 - 1z0	
5-Cglorotoluene	10I0	f l750	f 7	6A - 1z0	
7-Cglorotoluene	10I0	3l77f	37	30 - 1z0	
1zA-8rimetgBben) ene	10I0	3l9z0	39	69 - 1z0	
tert-OutBben) ene	10I0	f l65z	f 6	30 - 1z0	
S-,MroSBtoluene	10I0	f l010	f 0	30 - 1z0	
1zA-8rimetgBben) ene	10I0	f l03A	f 1	30 - 1z0	
MeS-OutBben) ene	10I0	f l571	f 5	6f - 1z0	
1z-x isgloroben) ene	10I0	9l601	96	30 - 1z0	
1z-x isgloroben) ene	10I0	f l7f 9	f A	30 - 1z0	
1z-x isgloroben) ene	10I0	9l6A1	93	30 - 1z0	
n-OutBben) ene	10I0	f l00A	f 0	30 - 1z0	
1z-x ibromo-z-CgloroSroSVWe	10I0	f l665	f 3	71 - 175	
1zA-8risgloroben) ene	10I0	15l96	1z0	76 - 1A0	
HeaVglorobutVQene	10I0	15l6z	156	AA - 1A0	
NVsgtgVene	10I0	15l95	159	10 - 1A0	
1zA-8risgloroben) ene	10I0	13l7f	13A	10 - 1A0	k
LurroFVWe		% Pes		VsseStVWe DimitM	
7-Oromoduoroben) ene		36		63 - 1z9	
x ibromoduorometgVWe		96		65 - 1z0	
8oluene-Q TLurrK		105		30 - 1z0	
1z-x isgloroetgVWe-Q TLurrK		f z		A0 - 1z7	

Quality Control Results

Client: CH52 Hill ConMrustorMc,nsI

Job Number: 600-100953-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 600-147732

Method: 8260B
Preparation: 5030B

2 L DW L VnSle ,x :	600-100953-9	VnWBMMOWsg:	600-1733z5	,nMrument ,x :	CH/ UV2 L03
Client 2 Wria:	. Wer	yreS OWsg:	NH	DW pile ,x :	Vz0015Ix
x ilution:	110	DeVsg OWsg:	NH	,nitiW. eiFgth olume:	50 mD
VnWBMMx We:	10f53f5017 1A50			pinW. eiFgth olume:	50 mD
yreS x We:	10f53f5017 1A50				50 mD
DeVsg x We:	NH				

2 Lx DW L VnSle ,x :	600-100953-9	VnWBMMOWsg:	600-1733z5	,nMrument ,x :	CH/ UV2 L03
Client 2 Wria:	. Wer	yreS OWsg:	NH	DW pile ,x :	Vz001zIx
x ilution:	110	DeVsg OWsg:	NH	,nitiW. eiFgth olume:	50 mD
VnWBMMx We:	10f53f5017 1A7f			pinW. eiFgth olume:	50 mD
yreS x We:	10f53f5017 1A7f				50 mD
DeVsg x We:	NH				

VnWBte	% Pesl		Dmit	Pyx	Pyx Dmit	2 L RuW	2 Lx RuW
	2 L	2 Lx					
x isgloroQduorometgWe	60	66	10 - 1A0	f	z0		
CglorometgWe	31	f 1	10 - 1A0	15	z0		
/ inB isgloriQe	f f	96	zz - 1A0	9	z0		
OromometgWe	101	115	5A - 1A0	10	z0		
CgloroetgWe	9A	107	73 - 1A0	10	z0		
8risgloroduorometgWe	119	1zz	7z - 1A0	11	z0		
1cl-x isgloroetgene	105	117	Af - 17f	A	z0		
trVM15-x isgloroetgene	111	11z	6f - 1z1	5	z0		
2 etgB tert-butB etger	100	105	A6 - 1z5	5	z0		
2 etgBene CgloriQe	90	91	AA - 173	1	z0		
siM15-x isgloroetgene	101	100	6f - 1z0	5	z0		
5-OutVnone T2 (EK	f 1	90	71 - 171	10	z0		
OromosglorometgWe	10f	115	Af - 1z0	7	z0		
CWbon tetrVsgloriQe	151	15A	30 - 177	z	z0		
Oen)ene	9z	96	30 - 1z0	5	z0		
15-x isgloroetgWe	90	9z	63 - 1z7	7	z0		
8risgloroetgene	11f	15z	30 - 1z0	7	z0		
1clcl-8risgloroetgWe	150	157	30 - 1z6	z	z0		
1cl-x isgloroetgWe	91	95	30 - 170	1	z0		
15-x isgloroSroSWe	f 6	90	30 - 1z0	A	z0		
55-x isgloroSroSWe	150	15z	67 - 179	5	z0		
x ibromometgWe	f 6	90	30 - 1z0	7	z0		
Cglorodrm	9z	95	30 - 1z0	1	z0		
OromoQsglorometgWe	99	99	30 - 1z1	0	z0		
5-CgloroetgB vinB etger	10	9	10 - 1A0	7	z0	J	J p1
1cl-x isgloroSroSene	9f	105	30 - 1z3	7	z0		
siM15-x isgloroSroSene	f 9	f f	A3 - 1z0	1	z0		
8oluene	103	103	30 - 1z0	0	z0		
trVM15-x isgloroSroSene	f 1	f f	60 - 1z0	f	z0		
1cl5-8risgloroetgWe	10z	106	30 - 1z0	z	z0		
8etrVsgloroetgene	f 0	95	73 - 1A0	3	z0		
15-x isgloroSroSWe	93	93	30 - 1z0	0	z0		
CgloroQbromometgWe	115	11A	65 - 1z0	5	z0		

Quality Control Results

Client: CH52 Hill ConMrustorMc,nsI

Job Number: 600-100953-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 600-147732

Method: 8260B
Preparation: 5030B

2 L DW L VnSle ,x :	600-100953-9	VnWBMMOWsg:	600-1733z5	,nMrument ,x :	CH/ UV2 L03
Client 2 Wria:	. Wer	yreS OWsg:	NH	DW pile ,x :	Vz0015Ix
x ilution:	110	DeVg OWsg:	NH	,nitiW. eiFgth olume:	50 mD
VnWBMMx We:	10f53f5017 1A50			pinW. eiFgth olume:	50 mD
yreS x We:	10f53f5017 1A50				50 mD
DeVg x We:	NH				

2 Lx DW L VnSle ,x :	600-100953-9	VnWBMMOWsg:	600-1733z5	,nMrument ,x :	CH/ UV2 L03
Client 2 Wria:	. Wer	yreS OWsg:	NH	DW pile ,x :	Vz001zIx
x ilution:	110	DeVg OWsg:	NH	,nitiW. eiFgth olume:	50 mD
VnWBMMx We:	10f53f5017 1A7f			pinW. eiFgth olume:	50 mD
yreS x We:	10f53f5017 1A7f				50 mD
DeVg x We:	NH				

VnWBte	% Pesl		Dmit	Pyx	Pyx Dmit	2 L RuW	2 Lx RuW
	2 L	2 Lx					
15-x ibromoetgVie	10z	106	63 - 1z0	5	z0		
Cgloroben) ene	110	110	69 - 1z0	0	z0		
1clcl5-8etrVgloroetgVie	156	153	30 - 1z0	0	z0		
(tgBben) ene	115	11z	30 - 1z0	1	z0		
m-XBene & S-XBene	110	10f	30 - 1z0	5	z0		
XBeneM:8otW	10f	103	30 - 1z0	1	z0		
o-XBene	103	103	30 - 1z0	0	z0		
LtBene	9A	9A	30 - 1z0	0	z0		
Oromodrm	101	107	A7 - 1zz	5	z0		
,MroSBben) ene	f 9	f 6	6A - 1z5	z	z0		
Oromoben) ene	99	101	30 - 1z0	5	z0		
15z-8risgloroSroVie	f 0	f z	7f - 1z6	7	z0		
1clcl5-8etrVgloroetgVie	3A	36	Af - 1zz	5	z0		
N-y roSBben) ene	93	95	69 - 1z0	A	z0		
5-Cglorotoluene	95	95	30 - 1z0	0	z0		
7-Cglorotoluene	f z	f 1	30 - 1z0	5	z0		
1zA-8rimetgBben) ene	95	f A	69 - 1z0	f	z0		
tert-OutBben) ene	9A	96	30 - 1z0	0	z0		
S-,MroSBtoluene	f A	f 6	30 - 1z0	1	z0		
15z-8rimetgBben) ene	161	91	30 - 1z0	A6	z0	p1	p5
Mes-OutBben) ene	90	90	6f - 1z0	0	z0		
1z-x isgloroben) ene	99	107	30 - 1z0	A	z0		
1z-x isgloroben) ene	f f	95	30 - 1z0	7	z0		
15-x isgloroben) ene	103	10f	30 - 1z0	1	z0		
n-OutBben) ene	f f	f 9	30 - 1z0	1	z0		
15-x ibromo-z-CgloroSroVie	f f	99	71 - 175	15	z0		
15z-8risgloroben) ene	159	1zf	76 - 1A0	3	z0		
HeaVglorobutVQene	159	1z6	AA - 1A0	A	z0		
NVsgtgVene	5f 6	1A3	10 - 1A0	Af	z0	p1	p1 p5
15z-8risgloroben) ene	113	1A9	10 - 1A0	z0	z0		p1
LurroFVie		2 L % Pes	2 Lx % Pes			VsseStWse DmitM	
7-Oromoduoroben) ene		39	37			63 - 1z9	
x ibromoduorometgVie		100	96			65 - 1z0	

Quality Control Results

Client: CH52 Hill ConMrustorMc,nsI

Job Number: 600-100953-1

LurroFWe	2 L % Pes	2 Lx % Pes	VsseStWse DmItM
8oluene-Q TLurrK	10f	107	30 - 1z0
15-x isgloroetgWe-Q TLurrK	f 7	f z	A0 - 1z7

Quality Control Results

Client: CH52 Hill ConMrustorMc,nsI

Job Number: 600-100953-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 600-147732

Method: 8260B
Preparation: 5030B

2 L DWb L VmSle ,x : 600-100953-9 4 nitM uFD
Client 2 Vria: . Wer
x ilution: 110
VnVBMVx VWe: 10f53f5017 1A50
y reS x VWe: 10f53f5017 1A50
DeVeg x VWe: Nil

2 Lx DWb L VmSle ,x : 600-100953-9
Client 2 Vria: . Wer
x ilution: 110
VnVBMVx VWe: 10f53f5017 1A7f
y reS x VWe: 10f53f5017 1A7f
DeVeg x VWe: Nil

VnVBe	L VmSle PeMultRuW		2 L L Si*e Vmount	2 Lx L Si*e Vmount	2 L PeMultRuW	2 Lx PeMultRuW	
x isgloroQduorometgVWe	01150	4	10I0	10I0	6I0z3	6IA69	
CglorometgVWe	011f 0	4	10I0	10I0	3I157	f I069	
/ inB sgloriQe	01110	4	10I0	10I0	f I3f 1	9IA61	
OromometgVWe	015A0	4	10I0	10I0	10I1z	1111f	
CgloroetgVWe	010f 00	4	10I0	10I0	9I7f 7	10I7A	
8risgloroduorometgVWe	010f 00	4	10I0	10I0	11If 3	1zI56	
1cl-x isgloroetgene	1zI1		10I0	10I0	5zIz1	57IA1	
trVM1c5-x isgloroetgene	010900	4	10I0	10I0	11I03	11I5f	
2 etgB tert-butB etger	01150	4	10I0	10I0	10I0z	10I55	
2 etgBene CgloriQe	011A0	4	10I0	10I0	9I019	9I12z	
siM1c5-x isgloroetgene	01176	J	10I0	10I0	10I59	10I1z	
5-OutVnone T2 (EK	01360	4	50I0	50I0	16I1f	13I9z	
OromosglorometgVWe	011f 0	4	10I0	10I0	10I39	11I5z	
CWbon tetrVsgloriQe	011A0	4	10I0	10I0	15I11	15IA7	
Oen) ene	010f 00	4	10I0	10I0	9Iz5f	9IAA6	
1c5-x isgloroetgVWe	01170	4	10I0	10I0	f I931	9I595	
8risgloroetgene	5I66		10I0	10I0	17I76	1AI00	
1clcl-8risgloroetgVWe	011A0	4	10I0	10I0	11I9f	15Iz6	
1cl-x isgloroetgVWe	7I06		10I0	10I0	1zI11	1zI53	
1c5-x isgloroSroSVWe	01160	4	10I0	10I0	f IAF z	9I011	
5c5-x isgloroSroSVWe	011z0	4	10I0	10I0	11I93	15I53	
x ibromometgVWe	0IA50	4	10I0	10I0	f I61z	f I9f f	
Cglorobrm	011z0	4	10I0	10I0	9Iz06	9I1f 7	
OromoQsglorometgVWe	01160	4	10I0	10I0	9If 36	9I900	
5-CgloroetgB vinB etger	0IA00	4	50I0	50I0	1I96A	J 1If f 1	J p1
1cl-x isgloroSroSene	0I510	4	10I0	10I0	9If 05	10I57	
siM1c5-x isgloroSroSene	011f 0	4	10I0	10I0	f I905	f If 03	
8oluene	011A0	4	10I0	10I0	10I35	10I35	
trVM1c5-x isgloroSroSene	0I510	4	10I0	10I0	f I177	f If 1f	
1clc5-8risgloroetgVWe	0I5f 0	4	10I0	10I0	10I59	10IAA	
8etrVsgloroetgene	3IA5		10I0	10I0	1AIA3	16I31	
1c5-x isgloroSroSVWe	0I550	4	10I0	10I0	9I30A	9I37A	
CgloroQbromometgVWe	011A0	4	10I0	10I0	11I5A	11I76	
1c5-x ibromoetgVWe	011f 0	4	10I0	10I0	10Iz5	10IAA	
Cgloroben) ene	01150	4	10I0	10I0	11I01	10I93	
1clclc5-8etrVsgloroetgVWe	011f 0	4	10I0	10I0	15I67	15I63	
(tgBben) ene	01110	4	10I0	10I0	11I50	11I59	
m-XBene & S-XBene	01130	4	10I0	10I0	10I99	10I3f	
XBeneMt8otV	0I560	4	50I0	50I0	5I16f	5I179	
o-XBene	01150	4	10I0	10I0	10I69	10I31	
LiBene	0I0300	4	10I0	10I0	9IA11	9IA56	
Oromobrm	0I190	4	10I0	10I0	10I1z	10IzA	
,MroSBben) ene	011f 0	4	10I0	10I0	f If 61	f IA95	

Quality Control Results

Client: CH52 Hill ConMrustorMc,nsi

Job Number: 600-100953-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 600-147732

Method: 8260B
Preparation: 5030B

2 L DWb L VmSle ,x : 600-100953-9 4 nitM uFD
Client 2 Wria: . Wer
x ilution: 110
VnWBMMx Wle: 10f53f5017 1A50
y reS x Wle: 10f53f5017 1A50
DeVeg x Wle: NIV

2 Lx DWb L VmSle ,x : 600-100953-9
Client 2 Wria: . Wer
x ilution: 110
VnWBMMx Wle: 10f53f5017 1A7f
y reS x Wle: 10f53f5017 1A7f
DeVeg x Wle: NIV

VnWBte	L VmSle PeMlthRuW		2 L L Si*e Vmount	2 Lx L Si*e Vmount	2 L PeMlthRuW	2 Lx PeMlthRuW	
Oromoben) ene	01190	4	10I0	10I0	9If f 7	10I0f	
1c5z-8risgloroSroSVWe	01590	4	10I0	10I0	3199f	f I59A	
1c1c5-8etrVggloroetgWle	01550	4	10I0	10I0	317f f	31610	
N-y roSBben) ene	011A0	4	10I0	10I0	91691	9113f	
5-Cglorotoluene	011z0	4	10I0	10I0	911f 5	91163	
7-Cglorotoluene	01170	4	10I0	10I0	f I5f 7	f I09A	
1c5A-8rimetgBben) ene	01100	4	10I0	10I0	91516	f IA55	
tert-OutBben) ene	010f 00	4	10I0	10I0	91A76	91A3f	
S-,MroSBtoluene	01100	4	10I0	10I0	f IA73	f I6z7	
1c57-8rimetgBben) ene	01170	4	10I0	10I0	16110	910A6	p5
Mes-OutBben) ene	01150	4	10I0	10I0	910zf	910z9	
1c5-x isgloroben) ene	011z0	4	10I0	10I0	91911	10Iz3	
1c7-x isgloroben) ene	01110	4	10I0	10I0	f If 70	915z6	
1c5-x isgloroben) ene	01100	4	10I0	10I0	10I69	10If 1	
n-OutBben) ene	01160	4	10I0	10I0	f If 50	f If f 7	
1c5-x ibromo-z-CgloroSroSVWe	0If 10	4	10I0	10I0	f I366	9If 36	
1c57-8risgloroben) ene	01z10	4	10I0	10I0	15If 9	1zI36	
HeaVgglorobutVQene	01130	4	10I0	10I0	15191	1zIA6	
NVggtgWene	0Iz50	4	10I0	10I0	5f IA6	1AI3z	p1 p5
1c5z-8risgloroben) ene	0IA30	4	10I0	10I0	11I30	1AI f f	p1

Quality Control Results

Client: CH52 Hill ConMrustorMc,nsI

Job Number: 600-100953-1

Method Blank - Batch: 560-108819

Method: 6020

Preparation: 3010A

DVb LVnSle ,x : 2 O A60-10f f 19h1-V
Client 2 Vria: . Wer
x ilution: 110
VnVBMIMx We: 10f59f5017 1313
yreS x We: 10f59f5017 03z5
DeVeg x We: NHV

VnVBMIMOWsg: A60-10f f A9
yreS OWsg: A60-10f f 19
DeVeg OWsg: NHV
4 nitM mFrD

,nMrument ,x : 2 isSmM
DVb pile ,x : 060L 2 y Dx
,nitiV. eiFgth/ olume: A0 mD
pinV. eiFgth/ olume: A0 mD

VnVBe	PeMlt	RuW	2 x D	PD
2 VnFVneMcx iMolveQ	010116	4	010116	010A00

Lab Control Sample - Batch: 560-108819

Method: 6020

Preparation: 3010A

DVb LVnSle ,x : DCL A60-10f f 19f5-V
Client 2 Vria: . Wer
x ilution: 110
VnVBMIMx We: 10f59f5017 135z
yreS x We: 10f59f5017 03z5
DeVeg x We: NHV

VnVBMIMOWsg: A60-10f f A9
yreS OWsg: A60-10f f 19
DeVeg OWsg: NHV
4 nitM mFrD

,nMrument ,x : 2 isSmM
DVb pile ,x : 061L 2 y Dx
,nitiV. eiFgth/ olume: A0 mD
pinV. eiFgth/ olume: A0 mD

VnVBe	LSI*e Vmount	PeMlt	% Pesl	Dmit	RuW
2 VnFVneMcx iMolveQ	A100	7lf 79	93	f 0 - 150	

Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 560-108819

Method: 6020

Preparation: 3010A

Dissolved

2 L DVb LVnSle ,x : A60-A06f f -O-1-(2 L
Client 2 Vria: . Wer
x ilution: 110
VnVBMIMx We: 10f59f5017 1370
yreS x We: 10f59f5017 03z5
DeVeg x We: NHV

VnVBMIMOWsg: A60-10f f A9
yreS OWsg: A60-10f f 19
DeVeg OWsg: NHV

,nMrument ,x : 2 isSmM
DVb pile ,x : 067L 2 y Dx
,nitiV. eiFgth/ olume: A0 mD
pinV. eiFgth/ olume: A0 mD

2 Lx DVb LVnSle ,x : A60-A06f f -O-1-p 2 Lx
Client 2 Vria: . Wer
x ilution: 110
VnVBMIMx We: 10f59f5017 137A
yreS x We: 10f59f5017 03z5
DeVeg x We: NHV

VnVBMIMOWsg: A60-10f f A9
yreS OWsg: A60-10f f 19
DeVeg OWsg: NHV

,nMrument ,x : 2 isSmM
DVb pile ,x : 06AL 2 y Dx
,nitiV. eiFgth/ olume: A0 mD
pinV. eiFgth/ olume: A0 mD

VnVBe	2 L	<u>% Pesl</u> 2 Lx	Dmit	Pyx	Pyx Dmit	2 L RuW	2 Lx RuW
2 VnFVneMcx iMolveQ	9A	9A	f 0 - 150	0	50		

Quality Control Results

Client: CH52 Hill ConMrustorMc,nsI

Job Number: 600-100953-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 560-108819

Method: 6020
Preparation: 3010A
Dissolved

2 L DW L VmSle ,x : A60-A06f f -O-1-(2 L 4 nitM mFD
Client 2 Vria: . Wer
x ilution: 110
VnVBMIMx VWe: 10f59f5017 1370
y reS x VWe: 10f59f5017 03z5
DeVtg x VWe: NHV

2 Lx DW L VmSle ,x : A60-A06f f -O-1-p 2 Lx
Client 2 Vria: . Wer
x ilution: 110
VnVBMIMx VWe: 10f59f5017 137A
y reS x VWe: 10f59f5017 03z5
DeVtg x VWe: NHV

VnVBe	L VmSle PeMltRuW	2 L L Si*e Vmount	2 Lx L Si*e Vmount	2 L PeMltRuW	2 Lx PeMltRuW
2 VnVBeMecx iMolveQ	01117	Al00	Al00	7lf f 5	7lf 30

Serial Dilution - Batch: 560-108819

Method: 6020
Preparation: 3010A
Dissolved

DW L VmSle ,x : A60-A06f f -O-1-x Lx
Client 2 Vria: . Wer
x ilution: Al0
VnVBMIMx VWe: 10f59f5017 13A1
y reS x VWe: 10f59f5017 03z5
DeVtg x VWe: NHV

VnVBMIMOVsg: A60-10f f A9
y reS OVsg: A60-10f f 19
DeVtg OVsg: NHV
4 nitM mFD

,nMrument ,x : 2 isSmM
DW pile ,x : 066L 2 y Dx
,nitiV. eiFgth olume: A0 mD
pinV. eiFgth olume: A0 mD

VnVBe	L VmSle PeMltRuW	PeMlt	%x idd	Dimit	RuW
2 VnVBeMecx iMolveQ	01117	011z07	NC	10	J

Quality Control Results

Client: CH52 Hill ConMrustorMc,nsI

Job Number: 600-100953-1

Method Blank - Batch: 560-108828

Method: 6020
Preparation: 3010A

DVb LVnSle ,x : 2 O A60-10f f 5f h1-V
Client 2 Vria: . Wer
x ilution: 110
VnVBMVx We: 10f59f5017 5003
y reS x We: 10f59f5017 1500
DeVeg x We: NfV

VnVBMVsg: A60-10f f A9
y reS OVsg: A60-10f f 5f
DeVeg OVsg: NfV
4 nitM mFfD

,nMrument ,x : 2 isSmM
DVb pile ,x : 090L 2 y Dx
,nitiV. eiFgth/ olume: A0 mD
pinV. eiFgth/ olume: A0 mD

VnVBe	PeMlt	RuW	2 x D	PD
2 VnVBeMcx iMolveQ	010116	4	010116	010A00

Lab Control Sample - Batch: 560-108828

Method: 6020
Preparation: 3010A

DVb LVnSle ,x : DCL A60-10f f 5f f5-V
Client 2 Vria: . Wer
x ilution: 110
VnVBMVx We: 10f59f5017 5015
y reS x We: 10f59f5017 1500
DeVeg x We: NfV

VnVBMVsg: A60-10f f A9
y reS OVsg: A60-10f f 5f
DeVeg OVsg: NfV
4 nitM mFfD

,nMrument ,x : 2 isSmM
DVb pile ,x : 091L 2 y Dx
,nitiV. eiFgth/ olume: A0 mD
pinV. eiFgth/ olume: A0 mD

VnVBe	LSI*e Vmount	PeMlt	% Pesl	Dmit	RuW
2 VnVBeMcx iMolveQ	A100	71307	97	f 0 - 150	

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 560-108828

Method: 6020
Preparation: 3010A
Dissolved

2 L DVb LVnSle ,x : 600-100953-9
Client 2 Vria: . Wer
x ilution: 110
VnVBMVx We: 10f59f5017 5059
y reS x We: 10f59f5017 1500
DeVeg x We: NfV

VnVBMVsg: A60-10f f A9
y reS OVsg: A60-10f f 5f
DeVeg OVsg: NfV

,nMrument ,x : 2 isSmM
DVb pile ,x : 097L 2 y Dx
,nitiV. eiFgth/ olume: A0 mD
pinV. eiFgth/ olume: A0 mD

2 Lx DVb LVnSle ,x : 600-100953-9
Client 2 Vria: . Wer
x ilution: 110
VnVBMVx We: 10f59f5017 50zA
y reS x We: 10f59f5017 1500
DeVeg x We: NfV

VnVBMVsg: A60-10f f A9
y reS OVsg: A60-10f f 5f
DeVeg OVsg: NfV

,nMrument ,x : 2 isSmM
DVb pile ,x : 09AL 2 y Dx
,nitiV. eiFgth/ olume: A0 mD
pinV. eiFgth/ olume: A0 mD

VnVBe	2 L	% Pesl 2 Lx	Dmit	Pyx	Pyx Dmit	2 L RuW	2 Lx RuW
2 VnVBeMcx iMolveQ	9A	97	f 0 - 150	5	50		

Quality Control Results

Client: CH52 Hill ConMrustorMc,nsi

Job Number: 600-100953-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 560-108828

Method: 6020
Preparation: 3010A
Dissolved

2 L DW L VnSle ,x : 600-100953-9 4 nitM mFD
Client 2 Vria: . Wer
x ilution: 110
VnWBMMx We: 10f59f5017 5059
y reS x We: 10f59f5017 1500
DeVtg x We: NHV

2 L x DW L VnSle ,x : 600-100953-9
Client 2 Vria: . Wer
x ilution: 110
VnWBMMx We: 10f59f5017 50zA
y reS x We: 10f59f5017 1500
DeVtg x We: NHV

VnWBte	L VnSle PeMltRuW	2 L L Si* e Vmount	2 L x L Si* e Vmount	2 L PeMltRuW	2 L x PeMltRuW
2 VnWBteMcx iMolveQ	010116 4	A100	A100	713Af	716f 5

Serial Dilution - Batch: 560-108828

Method: 6020
Preparation: 3010A
Dissolved

DW L VnSle ,x : 600-100953-9 VnWBMMO Vsg: A60-10f f A9
Client 2 Vria: . Wer y reS O Vsg: A60-10f f 5f
x ilution: A10 DeVtg O Vsg: NHV
VnWBMMx We: 10f59f5017 5071 4 nitM mFD
y reS x We: 10f59f5017 1500
DeVtg x We: NHV

,nMrument ,x : 2 isSmM
DW pile ,x : 096L 2 y Dx
,nitiV. eiFgth olume: A0 mD
pinV. eiFgth olume: A0 mD

VnWBte	L VnSle PeMltRuW	PeMlt	%x idd	Dmit	RuW
2 VnWBteMcx iMolveQ	010116 4	010Af 0	NC	10	4

DATA REPORTING QUALIFIERS

Client: CH2M Hill Constructors, Inc.

Job Number: 600-100927-1

Lab Section	Qualifier	Description
GC/MS VOA	B	Compound was found in the blank and sample.
	U	Indicates the analyte was analyzed for but not detected.
	*	LCS or LCSD exceeds the control limits
	F1	MS and/or MSD Recovery exceeds the control limits
	F2	MS/MSD RPD exceeds control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	X	Surrogate is outside control limits
Metals	U	Indicates the analyte was analyzed for but not detected.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Quality Control Results

Client: CH2M Hill Constructors, Inc.

Job Number: 600-100927-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:600-147711					
LCS 600-147711/3	Lab Control Sample	T	Water	8260B	
LCSD 600-147711/4	Lab Control Sample Duplicate	T	Water	8260B	
MB 600-147711/6	Method Blank	T	Water	8260B	
600-100927-1	ARTESIA-MW26-10142014	T	Water	8260B	
600-100927-3	ARTESIA-MW33-10152014	T	Water	8260B	
600-100927-4	ARTESIA-MW29-10152014	T	Water	8260B	
600-100927-5	ARTESIA-MW30-10152014	T	Water	8260B	
600-100927-6	ARTESIA-MW28-10152014	T	Water	8260B	
600-100927-7	ARTESIA-DUP02-10152014	T	Water	8260B	
600-100927-8	ARTESIA-MW32-10152014	T	Water	8260B	
600-100927-10	ARTESIA-MW22-10162014	T	Water	8260B	
600-100927-11	ARTESIA-MW31-10162014	T	Water	8260B	
600-100927-12	ARTESIA-MW21-10162014	T	Water	8260B	
600-100927-14	ARTESIA-MW20-10162014	T	Water	8260B	
600-100927-15	ARTESIA-MW15-10172014	T	Water	8260B	
600-100927-16	ARTESIAMW17C-10172014	T	Water	8260B	
600-100927-18	ARTESIA-MW7-10172014	T	Water	8260B	
600-100927-19	ARTESIA-MW8-10172014	T	Water	8260B	
Analysis Batch:600-147732					
LCS 600-147732/14	Lab Control Sample	T	Water	8260B	
MB 600-147732/5	Method Blank	T	Water	8260B	
600-100927-2	ARTESIA-TB01-10142014	T	Water	8260B	
600-100927-9	ARTESIA-MW34-10152014	T	Water	8260B	
600-100927-9MS	Matrix Spike	T	Water	8260B	
600-100927-9MSD	Matrix Spike Duplicate	T	Water	8260B	
600-100927-13	ARTESIA-MW18-10162014	T	Water	8260B	
600-100927-17	ARTESIA-MW12-10172014	T	Water	8260B	
600-100927-17DL	ARTESIA-MW12-10172014	T	Water	8260B	
600-100927-20	ARTESIA-MW11-10172014	T	Water	8260B	
600-100927-21	ARTESIA-TB02-10202014	T	Water	8260B	

Report Basis

T = Total

Quality Control Results

Client: CH2M Hill Constructors, Inc.

Job Number: 600-100927-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 560-108819					
LCS 560-108819/2-A	Lab Control Sample	T	Water	3010A	
MB 560-108819/1-A	Method Blank	T	Water	3010A	
560-50688-B-1-E MS	Matrix Spike	D	Water	3010A	
560-50688-B-1-F MSD	Matrix Spike Duplicate	D	Water	3010A	
600-100927-1	ARTESIA-MW26-10142014	D	Water	3010A	
600-100927-4	ARTESIA-MW29-10152014	D	Water	3010A	
600-100927-5	ARTESIA-MW30-10152014	D	Water	3010A	
Prep Batch: 560-108828					
LCS 560-108828/2-A	Lab Control Sample	T	Water	3010A	
MB 560-108828/1-A	Method Blank	T	Water	3010A	
600-100927-6	ARTESIA-MW28-10152014	D	Water	3010A	
600-100927-7	ARTESIA-DUP02-10152014	D	Water	3010A	
600-100927-8	ARTESIA-MW32-10152014	D	Water	3010A	
600-100927-9	ARTESIA-MW34-10152014	D	Water	3010A	
600-100927-9MS	Matrix Spike	D	Water	3010A	
600-100927-9MSD	Matrix Spike Duplicate	D	Water	3010A	
600-100927-10	ARTESIA-MW22-10162014	D	Water	3010A	
600-100927-11	ARTESIA-MW31-10162014	D	Water	3010A	
600-100927-12	ARTESIA-MW21-10162014	D	Water	3010A	
600-100927-13	ARTESIA-MW18-10162014	D	Water	3010A	
Analysis Batch:560-108859					
LCS 560-108819/2-A	Lab Control Sample	T	Water	6020	560-108819
MB 560-108819/1-A	Method Blank	T	Water	6020	560-108819
LCS 560-108828/2-A	Lab Control Sample	T	Water	6020	560-108828
MB 560-108828/1-A	Method Blank	T	Water	6020	560-108828
560-50688-B-1-E MS	Matrix Spike	D	Water	6020	560-108819
560-50688-B-1-F MSD	Matrix Spike Duplicate	D	Water	6020	560-108819
600-100927-1	ARTESIA-MW26-10142014	D	Water	6020	560-108819
600-100927-4	ARTESIA-MW29-10152014	D	Water	6020	560-108819
600-100927-5	ARTESIA-MW30-10152014	D	Water	6020	560-108819
600-100927-6	ARTESIA-MW28-10152014	D	Water	6020	560-108828
600-100927-7	ARTESIA-DUP02-10152014	D	Water	6020	560-108828
600-100927-8	ARTESIA-MW32-10152014	D	Water	6020	560-108828
600-100927-9	ARTESIA-MW34-10152014	D	Water	6020	560-108828
600-100927-9MS	Matrix Spike	D	Water	6020	560-108828
600-100927-9MSD	Matrix Spike Duplicate	D	Water	6020	560-108828
600-100927-10	ARTESIA-MW22-10162014	D	Water	6020	560-108828
600-100927-11	ARTESIA-MW31-10162014	D	Water	6020	560-108828
600-100927-12	ARTESIA-MW21-10162014	D	Water	6020	560-108828
600-100927-13	ARTESIA-MW18-10162014	D	Water	6020	560-108828

Quality Control Results

Client: CH2M Hill Constructors, Inc.

Job Number: 600-100927-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch

Report Basis

D = Dissolved

T = Total

Quality Control Results

Client: CH2M Hill Constructors, Inc.

Job Number: 600-100927-1

Laboratory Chronicle

Lab ID: 600-900241-9

Client ID: ARTESIA-M8 46-909W09W

Sample Date/Time: 10/14/2014 15:55

Received Date/Time: 10/21/2014 10:02

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	600-100927-B-1		600-147711		10/26/2014 14:11	1	TAL HOU	DT1
A:8260B	600-100927-B-1		600-147711		10/26/2014 14:11	1	TAL HOU	DT1
P:3010A	600-100927-A-1-A		560-108859	560-108819	10/29/2014 07:32	1	TAL CC	cc56
A:6020	600-100927-A-1-A		560-108859	560-108819	10/29/2014 19:21	1	TAL CC	JEM

Lab ID: 600-900241-4

Client ID: ARTESIA-TB09-909W09W

Sample Date/Time: 10/14/2014 15:00

Received Date/Time: 10/21/2014 10:02

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	600-100927-A-2		600-147732		10/27/2014 12:28	1	TAL HOU	DT1
A:8260B	600-100927-A-2		600-147732		10/27/2014 12:28	1	TAL HOU	DT1

Lab ID: 600-900241-7

Client ID: ARTESIA-M8 77-9093409W

Sample Date/Time: 10/15/2014 09:15

Received Date/Time: 10/21/2014 10:02

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	600-100927-A-3		600-147711		10/26/2014 14:39	1	TAL HOU	DT1
A:8260B	600-100927-A-3		600-147711		10/26/2014 14:39	1	TAL HOU	DT1

Lab ID: 600-900241-W

Client ID: ARTESIA-M8 42-9093409W

Sample Date/Time: 10/15/2014 10:55

Received Date/Time: 10/21/2014 10:02

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	600-100927-B-4		600-147711		10/26/2014 15:08	1	TAL HOU	DT1
A:8260B	600-100927-B-4		600-147711		10/26/2014 15:08	1	TAL HOU	DT1
P:3010A	600-100927-A-4-A		560-108859	560-108819	10/29/2014 07:32	1	TAL CC	cc56
A:6020	600-100927-A-4-A		560-108859	560-108819	10/29/2014 19:27	1	TAL CC	JEM

Lab ID: 600-900241-3

Client ID: ARTESIA-M8 70-9093409W

Sample Date/Time: 10/15/2014 11:35

Received Date/Time: 10/21/2014 10:02

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	600-100927-B-5		600-147711		10/26/2014 15:36	1	TAL HOU	DT1
A:8260B	600-100927-B-5		600-147711		10/26/2014 15:36	1	TAL HOU	DT1
P:3010A	600-100927-A-5-A		560-108859	560-108819	10/29/2014 07:32	1	TAL CC	cc56
A:6020	600-100927-A-5-A		560-108859	560-108819	10/29/2014 20:01	1	TAL CC	JEM

Quality Control Results

Client: CH2M Hill Constructors, Inc.

Job Number: 600-100927-1

Laboratory Chronicle

Lab ID: 600-900241-6

Client ID: ARTESIA-M8 45-9093409W

Sample Date/Time: 10/15/2014 12:10

Received Date/Time: 10/21/2014 10:02

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	600-100927-B-6		600-147711		10/26/2014 16:04	1	TAL HOU	DT1
A:8260B	600-100927-B-6		600-147711		10/26/2014 16:04	1	TAL HOU	DT1
P:3010A	600-100927-A-6-A		560-108859	560-108828	10/29/2014 12:00	1	TAL CC	cc56
A:6020	600-100927-A-6-A		560-108859	560-108828	10/29/2014 20:46	1	TAL CC	JEM

Lab ID: 600-900241-1

Client ID: ARTESIA-DUP04-9093409W

Sample Date/Time: 10/15/2014 12:45

Received Date/Time: 10/21/2014 10:02

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	600-100927-B-7		600-147711		10/26/2014 16:33	1	TAL HOU	DT1
A:8260B	600-100927-B-7		600-147711		10/26/2014 16:33	1	TAL HOU	DT1
P:3010A	600-100927-A-7-A		560-108859	560-108828	10/29/2014 12:00	1	TAL CC	cc56
A:6020	600-100927-A-7-A		560-108859	560-108828	10/29/2014 20:52	1	TAL CC	JEM

Lab ID: 600-900241-5

Client ID: ARTESIA-M8 74-9093409W

Sample Date/Time: 10/15/2014 14:20

Received Date/Time: 10/21/2014 10:02

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	600-100927-B-8		600-147711		10/26/2014 17:02	1	TAL HOU	DT1
A:8260B	600-100927-B-8		600-147711		10/26/2014 17:02	1	TAL HOU	DT1
P:3010A	600-100927-A-8-A		560-108859	560-108828	10/29/2014 12:00	1	TAL CC	cc56
A:6020	600-100927-A-8-A		560-108859	560-108828	10/29/2014 21:26	1	TAL CC	JEM

Lab ID: 600-900241-2

Client ID: ARTESIA-M8 7W9093409W

Sample Date/Time: 10/15/2014 15:15

Received Date/Time: 10/21/2014 10:02

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	600-100927-B-9		600-147732		10/27/2014 13:25	1	TAL HOU	DT1
A:8260B	600-100927-B-9		600-147732		10/27/2014 13:25	1	TAL HOU	DT1
P:3010A	600-100927-A-9-A		560-108859	560-108828	10/29/2014 12:00	1	TAL CC	cc56
A:6020	600-100927-A-9-A		560-108859	560-108828	10/29/2014 20:24	1	TAL CC	JEM

Quality Control Results

Client: CH2M Hill Constructors, Inc.

Job Number: 600-100927-1

Laboratory Chronicle

Lab ID: 600-900241-2

Client ID: ARTESIA-M8 7W9093409W

Sample Date/Time: 10/15/2014 15:15

Received Date/Time: 10/21/2014 10:02

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	600-100927-B-9 MS		600-147732		10/27/2014 15:20	1	TAL HOU	DT1
A:8260B	600-100927-B-9 MS		600-147732		10/27/2014 15:20	1	TAL HOU	DT1
P:3010A	600-100927-A-9-B MS		560-108859	560-108828	10/29/2014 12:00	1	TAL CC	cc56
A:6020	600-100927-A-9-B MS		560-108859	560-108828	10/29/2014 20:29	1	TAL CC	JEM

Lab ID: 600-900241-2

Client ID: ARTESIA-M8 7W9093409W

Sample Date/Time: 10/15/2014 15:15

Received Date/Time: 10/21/2014 10:02

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	600-100927-B-9 MSD		600-147732		10/27/2014 15:48	1	TAL HOU	DT1
A:8260B	600-100927-B-9 MSD		600-147732		10/27/2014 15:48	1	TAL HOU	DT1
P:3010A	600-100927-A-9-C MSD		560-108859	560-108828	10/29/2014 12:00	1	TAL CC	cc56
A:6020	600-100927-A-9-C MSD		560-108859	560-108828	10/29/2014 20:35	1	TAL CC	JEM

Lab ID: 600-900241-2 SD

Client ID: ARTESIA-M8 7W9093409W

Sample Date/Time: 10/15/2014 15:15

Received Date/Time: 10/21/2014 10:02

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	600-100927-A-9-A SD		560-108859	560-108828	10/29/2014 12:00	5	TAL CC	cc56
A:6020	600-100927-A-9-A SD		560-108859	560-108828	10/29/2014 20:41	5	TAL CC	JEM

Lab ID: 600-900241-90

Client ID: ARTESIA-M8 44-9096409W

Sample Date/Time: 10/16/2014 10:20

Received Date/Time: 10/21/2014 10:02

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	600-100927-B-10		600-147711		10/26/2014 17:30	1	TAL HOU	DT1
A:8260B	600-100927-B-10		600-147711		10/26/2014 17:30	1	TAL HOU	DT1
P:3010A	600-100927-A-10-A		560-108859	560-108828	10/29/2014 12:00	1	TAL CC	cc56
A:6020	600-100927-A-10-A		560-108859	560-108828	10/29/2014 21:32	1	TAL CC	JEM

Quality Control Results

Client: CH2M Hill Constructors, Inc.

Job Number: 600-100927-1

Laboratory Chronicle

Lab ID: 600-900241-99

Client ID: ARTESIA-M8 79-9096409W

Sample Date/Time: 10/16/2014 11:10

Received Date/Time: 10/21/2014 10:02

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	600-100927-B-11		600-147711		10/26/2014 21:18	1	TAL HOU	DT1
A:8260B	600-100927-B-11		600-147711		10/26/2014 21:18	1	TAL HOU	DT1
P:3010A	600-100927-A-11-A		560-108859	560-108828	10/29/2014 12:00	1	TAL CC	cc56
A:6020	600-100927-A-11-A		560-108859	560-108828	10/29/2014 21:37	1	TAL CC	JEM

Lab ID: 600-900241-94

Client ID: ARTESIA-M8 49-9096409W

Sample Date/Time: 10/16/2014 13:00

Received Date/Time: 10/21/2014 10:02

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	600-100927-B-12		600-147711		10/26/2014 17:59	1	TAL HOU	DT1
A:8260B	600-100927-B-12		600-147711		10/26/2014 17:59	1	TAL HOU	DT1
P:3010A	600-100927-A-12-A		560-108859	560-108828	10/29/2014 12:00	1	TAL CC	cc56
A:6020	600-100927-A-12-A		560-108859	560-108828	10/29/2014 21:43	1	TAL CC	JEM

Lab ID: 600-900241-97

Client ID: ARTESIA-M8 95-9096409W

Sample Date/Time: 10/16/2014 13:50

Received Date/Time: 10/21/2014 10:02

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	600-100927-C-13		600-147732		10/27/2014 13:54	1	TAL HOU	DT1
A:8260B	600-100927-C-13		600-147732		10/27/2014 13:54	1	TAL HOU	DT1
P:3010A	600-100927-A-13-A		560-108859	560-108828	10/29/2014 12:00	1	TAL CC	cc56
A:6020	600-100927-A-13-A		560-108859	560-108828	10/29/2014 21:49	1	TAL CC	JEM

Lab ID: 600-900241-9W

Client ID: ARTESIA-M8 40-9096409W

Sample Date/Time: 10/16/2014 14:35

Received Date/Time: 10/21/2014 10:02

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	600-100927-A-14		600-147711		10/26/2014 19:24	1	TAL HOU	DT1
A:8260B	600-100927-A-14		600-147711		10/26/2014 19:24	1	TAL HOU	DT1

Lab ID: 600-900241-93

Client ID: ARTESIA-M8 93-9091409W

Sample Date/Time: 10/17/2014 09:50

Received Date/Time: 10/21/2014 10:02

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	600-100927-A-15		600-147711		10/26/2014 18:55	1	TAL HOU	DT1
A:8260B	600-100927-A-15		600-147711		10/26/2014 18:55	1	TAL HOU	DT1

Quality Control Results

Client: CH2M Hill Constructors, Inc.

Job Number: 600-100927-1

Laboratory Chronicle

Lab ID: 600-900241-96

Client ID: ARTESIAM8 91C-9091409W

Sample Date/Time: 10/17/2014 10:30

Received Date/Time: 10/21/2014 10:02

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	600-100927-A-16		600-147711		10/26/2014 19:53	1	TAL HOU	DT1
A:8260B	600-100927-A-16		600-147711		10/26/2014 19:53	1	TAL HOU	DT1

Lab ID: 600-900241-91

Client ID: ARTESIA-M8 94-9091409W

Sample Date/Time: 10/17/2014 11:10

Received Date/Time: 10/21/2014 10:02

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	600-100927-A-17		600-147732		10/27/2014 14:51	1	TAL HOU	DT1
A:8260B	600-100927-A-17		600-147732		10/27/2014 14:51	1	TAL HOU	DT1
P:5030B	600-100927-B-17	DL	600-147732		10/27/2014 16:45	20	TAL HOU	DT1
A:8260B	600-100927-B-17	DL	600-147732		10/27/2014 16:45	20	TAL HOU	DT1

Lab ID: 600-900241-95

Client ID: ARTESIA-M8 1-9091409W

Sample Date/Time: 10/17/2014 13:00

Received Date/Time: 10/21/2014 10:02

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	600-100927-A-18		600-147711		10/26/2014 20:21	1	TAL HOU	DT1
A:8260B	600-100927-A-18		600-147711		10/26/2014 20:21	1	TAL HOU	DT1

Lab ID: 600-900241-92

Client ID: ARTESIA-M8 5-9091409W

Sample Date/Time: 10/17/2014 13:30

Received Date/Time: 10/21/2014 10:02

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	600-100927-A-19		600-147711		10/26/2014 20:49	1	TAL HOU	DT1
A:8260B	600-100927-A-19		600-147711		10/26/2014 20:49	1	TAL HOU	DT1

Lab ID: 600-900241-40

Client ID: ARTESIA-M8 99-9091409W

Sample Date/Time: 10/17/2014 14:00

Received Date/Time: 10/21/2014 10:02

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	600-100927-A-20		600-147732		10/27/2014 14:22	1	TAL HOU	DT1
A:8260B	600-100927-A-20		600-147732		10/27/2014 14:22	1	TAL HOU	DT1

Lab ID: 600-900241-49

Client ID: ARTESIA-TB04-9040409W

Sample Date/Time: 10/20/2014 10:00

Received Date/Time: 10/21/2014 10:02

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	600-100927-A-21		600-147732		10/27/2014 12:57	1	TAL HOU	DT1
A:8260B	600-100927-A-21		600-147732		10/27/2014 12:57	1	TAL HOU	DT1

Quality Control Results

Client: CH2M Hill Constructors, Inc.

Job Number: 600-100927-1

Laboratory Chronicle

Lab ID: MB

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	MB 600-147711/6		600-147711		10/26/2014 12:16	1	TAL HOU	DT1
A:8260B	MB 600-147711/6		600-147711		10/26/2014 12:16	1	TAL HOU	DT1
P:5030B	MB 600-147732/5		600-147732		10/27/2014 11:59	1	TAL HOU	DT1
A:8260B	MB 600-147732/5		600-147732		10/27/2014 11:59	1	TAL HOU	DT1
P:3010A	MB 560-108819/1-A		560-108859	560-108819	10/29/2014 07:32	1	TAL CC	cc56
A:6020	MB 560-108819/1-A		560-108859	560-108819	10/29/2014 17:17	1	TAL CC	JEM
P:3010A	MB 560-108828/1-A		560-108859	560-108828	10/29/2014 12:00	1	TAL CC	cc56
A:6020	MB 560-108828/1-A		560-108859	560-108828	10/29/2014 20:07	1	TAL CC	JEM

Lab ID: LCS

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	LCS 600-147711/3		600-147711		10/26/2014 10:22	1	TAL HOU	DT1
A:8260B	LCS 600-147711/3		600-147711		10/26/2014 10:22	1	TAL HOU	DT1
P:5030B	LCS 600-147732/14		600-147732		10/27/2014 16:17	1	TAL HOU	DT1
A:8260B	LCS 600-147732/14		600-147732		10/27/2014 16:17	1	TAL HOU	DT1
P:3010A	LCS 560-108819/2-A		560-108859	560-108819	10/29/2014 07:32	1	TAL CC	cc56
A:6020	LCS 560-108819/2-A		560-108859	560-108819	10/29/2014 17:23	1	TAL CC	JEM
P:3010A	LCS 560-108828/2-A		560-108859	560-108828	10/29/2014 12:00	1	TAL CC	cc56
A:6020	LCS 560-108828/2-A		560-108859	560-108828	10/29/2014 20:12	1	TAL CC	JEM

Lab ID: LCSD

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	LCSD 600-147711/4		600-147711		10/26/2014 10:51	1	TAL HOU	DT1
A:8260B	LCSD 600-147711/4		600-147711		10/26/2014 10:51	1	TAL HOU	DT1

Lab ID: MS

Client ID: N/A

Sample Date/Time: 10/22/2014 11:01

Received Date/Time: 10/23/2014 08:58

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	560-50688-B-1-E MS		560-108859	560-108819	10/29/2014 07:32	1	TAL CC	cc56
A:6020	560-50688-B-1-E MS		560-108859	560-108819	10/29/2014 17:40	1	TAL CC	JEM

Quality Control Results

Client: CH2M Hill Constructors, Inc.

Job Number: 600-100927-1

Laboratory Chronicle

Lab ID: MSD

Client ID: N/A

Sample Date/Time: 10/22/2014 11:01

Received Date/Time: 10/23/2014 08:58

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	560-50688-B-1-F MSD		560-108859	560-108819	10/29/2014 07:32	1	TAL CC	cc56
A:6020	560-50688-B-1-F MSD		560-108859	560-108819	10/29/2014 17:45	1	TAL CC	JEM

Lab ID: SD

Client ID: N/A

Sample Date/Time: 10/22/2014 11:01

Received Date/Time: 10/23/2014 08:58

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	560-50688-B-1-D SD		560-108859	560-108819	10/29/2014 07:32	5	TAL CC	cc56
A:6020	560-50688-B-1-D SD		560-108859	560-108819	10/29/2014 17:51	5	TAL CC	JEM

Lab References:

TAL CC = TestAmerica Corpus Christi

TAL HOU = TestAmerica Houston

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-100927-1

SDG No.: _____

Instrument ID: CHVOAMS07 Analysis Batch Number: 146352

Lab Sample ID: IC 600-146352/3 Client Sample ID: _____

Date Analyzed: 10/10/14 13:51 Lab File ID: A28302A.D GC Column: DB-VRX 60 ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetone	5.78	Poor chromatography	tengd	10/10/14 17:01
Isobutyl alcohol	7.66	Poor chromatography	tengd	10/10/14 17:31
1,4-Dioxane	9.16	Poor chromatography	tengd	10/10/14 17:01
2-Hexanone	10.47	Poor chromatography	tengd	10/10/14 17:01
Bromoforn	12.34	Poor chromatography	tengd	10/10/14 17:31
trans-1,4-Dichloro-2-butene	12.73	Poor chromatography	tengd	10/10/14 17:01
1,2-Dibromo-3-Chloropropane	15.18	Poor chromatography	tengd	10/10/14 17:01

Lab Sample ID: IC 600-146352/4 Client Sample ID: _____

Date Analyzed: 10/10/14 14:19 Lab File ID: A28303.D GC Column: DB-VRX 60 ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetone	5.79	Poor chromatography	tengd	10/10/14 17:02
Isobutyl alcohol	7.66	Poor chromatography	tengd	10/10/14 17:05
1,4-Dioxane	9.15	Poor chromatography	tengd	10/10/14 17:05

Lab Sample ID: IC 600-146352/5 Client Sample ID: _____

Date Analyzed: 10/10/14 14:48 Lab File ID: A28304.D GC Column: DB-VRX 60 ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetone	5.79	Poor chromatography	tengd	10/10/14 17:07
Ethyl acrylate	8.90	Poor chromatography	tengd	10/10/14 17:07

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-100927-1

SDG No.: _____

Instrument ID: CHVOAMS07 Analysis Batch Number: 146352

Lab Sample ID: ICIS 600-146352/6 Client Sample ID: _____

Date Analyzed: 10/10/14 15:16 Lab File ID: A28305.D GC Column: DB-VRX 60 ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetone	5.78	Poor chromatography	tengd	10/10/14 16:56
Ethyl acrylate	8.89	Poor chromatography	tengd	10/10/14 16:56

Lab Sample ID: IC 600-146352/7 Client Sample ID: _____

Date Analyzed: 10/10/14 15:45 Lab File ID: A28306.D GC Column: DB-VRX 60 ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetone	5.77	Poor chromatography	tengd	10/10/14 17:08
Ethyl acrylate	8.89	Poor chromatography	tengd	10/10/14 17:08

Lab Sample ID: IC 600-146352/8 Client Sample ID: _____

Date Analyzed: 10/10/14 16:13 Lab File ID: A28307.D GC Column: DB-VRX 60 ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Ethyl acrylate	8.89	Poor chromatography	tengd	10/10/14 17:10

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-100927-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
23DC1Butanes_00035 .23DC1ButaneL_00036	10/23/14	10/09/14	Methol, Lot V091514A	1 mL	23DC1ButaneL_00036	25 uL	cis 2,3-dichlorobutane	50 ug/mL
	10/16/15		AccuStd, Lot 209101140-02		(Purchased Reagent)		trans 2,3-dichlorobutane	50 ug/mL
							trans 2,3-dichlorobutane	2000 ug/mL
VOA1S250PPM_00006 .VOA3IS_00001	10/15/14	10/01/14	Methanol, Lot V091514A	1 mL	VOA3IS_00001	100 uL	1,4-Dichlorobenzene-d4	250 ug/mL
							Chlorobenzene-d5	250 ug/mL
							Fluorobenzene	250 ug/mL
	11/30/18		Restek, Lot A099180		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2500 ug/mL
							Chlorobenzene-d5	2500 ug/mL
							Fluorobenzene	2500 ug/mL
VOALCSGASPT_00085 .VOARGASICS_00001	10/29/14	10/22/14	Methanol, Lot V091514A	1 mL	VOARGASICS_00001	25 uL	Bromomethane	50 ug/mL
							Chloroethane	50 ug/mL
							Chloromethane	50 ug/mL
							Dichlorodifluoromethane	50 ug/mL
							Trichlorofluoromethane	50 ug/mL
							Vinyl chloride	50 ug/mL
	02/28/15		RESTEK, Lot A093618		(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Dichlorodifluoromethane	2000 ug/mL
							Trichlorofluoromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
VOALCSPT2_00014	11/08/14	10/25/14	Methanol, Lot V091514A	1 mL	VOAR2CEVELCS_00001	50 uL	2-Chloroethyl vinyl ether	100 ug/mL
					VOARKETONLCS_00001	10 uL	2-Butanone (MEK)	100 ug/mL
					VOARMegMxLcst_00001	25 uL	1,1,1,2-Tetrachloroethane	50 ug/mL
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,1-Dichloropropene	50 ug/mL
							1,2,3-Trichlorobenzene	50 ug/mL
							1,2,3-Trichloropropene	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2,4-Trimethylbenzene	50 ug/mL
							1,2-Dibromo-3-Chloropropene	50 ug/mL
							1,2-Dibromoethane	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloropropene	50 ug/mL
							1,3,5-Trimethylbenzene	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,3-Dichloropropene	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							2,2-Dichloropropene	50 ug/mL
							2-Chlorotoluene	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-100927-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Chlorotoluene	50 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chlorodibromomethane	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Dibromomethane	50 ug/mL
							Ethylbenzene	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Isopropylbenzene	50 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL
							N-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							p-Isopropyltoluene	50 ug/mL
							sec-Butylbenzene	50 ug/mL
							Styrene	50 ug/mL
							tert-Butylbenzene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							Trichloroethene	50 ug/mL
							Xylenes, Total	100 ug/mL
.VOAR2CEVELCS_00001	02/29/16		Restek, Lot A093471		(Purchased Reagent)		2-Chloroethyl vinyl ether	2000 ug/mL
.VOARKETONLCS_00001	02/29/16		Restek, Lot A093472		(Purchased Reagent)		2-Butanone (MEK)	10000 ug/mL
.VOARMegMxLcsT_00001	02/29/16		Restek, Lot A093733		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	2000 ug/mL
							1,1,1-Trichloroethane	2000 ug/mL
							1,1,2,2-Tetrachloroethane	2000 ug/mL
							1,1,2-Trichloroethane	2000 ug/mL
							1,1-Dichloroethane	2000 ug/mL
							1,1-Dichloroethene	2000 ug/mL
							1,2,3-Trichlorobenzene	2000 ug/mL
							1,2,3-Trichloropropene	2000 ug/mL
							1,2,4-Trichlorobenzene	2000 ug/mL
							1,2,4-Trimethylbenzene	2000 ug/mL
							1,2-Dibromo-3-Chloropropane	2000 ug/mL
							1,2-Dibromoethane	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-100927-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
VOARSS0PPM_00169	10/29/14	10/15/14	Methanol, Lot V091514A	1 mL	VOARSS_00004	20 uL	1,2-Dichlorobenzene	2000 ug/mL
							1,2-Dichloroethane	2000 ug/mL
							1,2-Dichloropropane	2000 ug/mL
							1,3,5-Trimethylbenzene	2000 ug/mL
							1,3-Dichlorobenzene	2000 ug/mL
							1,3-Dichloropropane	2000 ug/mL
							1,4-Dichlorobenzene	2000 ug/mL
							2,2-Dichloropropane	2000 ug/mL
							2-Chlorotoluene	2000 ug/mL
							4-Chlorotoluene	2000 ug/mL
							Benzene	2000 ug/mL
							Bromobenzene	2000 ug/mL
							Bromochloromethane	2000 ug/mL
							Bromodichloromethane	2000 ug/mL
							Bromoform	2000 ug/mL
							Carbon tetrachloride	2000 ug/mL
							Chlorobenzene	2000 ug/mL
							Chlorodibromomethane	2000 ug/mL
							Chloroform	2000 ug/mL
							cis-1,2-Dichloroethene	2000 ug/mL
							cis-1,3-Dichloropropene	2000 ug/mL
							Dibromomethane	2000 ug/mL
							Ethylbenzene	2000 ug/mL
							Hexachlorobutadiene	2000 ug/mL
							Isopropylbenzene	2000 ug/mL
							m-Xylene & p-Xylene	2000 ug/mL
							Methyl tert-butyl ether	2000 ug/mL
							Methylene Chloride	2000 ug/mL
							n-Butylbenzene	2000 ug/mL
							N-Propylbenzene	2000 ug/mL
							Naphthalene	2000 ug/mL
							o-Xylene	2000 ug/mL
							p-Isopropyltoluene	2000 ug/mL
							sec-Butylbenzene	2000 ug/mL
							Styrene	2000 ug/mL
							tert-Butylbenzene	2000 ug/mL
							Tetrachloroethene	2000 ug/mL
							Toluene	2000 ug/mL
							trans-1,2-Dichloroethene	2000 ug/mL
							trans-1,3-Dichloropropene	2000 ug/mL
							Trichloroethene	2000 ug/mL
							Xylenes, Total	4000 ug/mL
.VOARSS_00004	05/31/19		Restek, Lot A0103672		(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	50 ug/mL
							4-Bromofluorobenzene	50 ug/mL
							Dibromofluoromethane	50 ug/mL
							Toluene-d8 (Surr)	50 ug/mL
							1,2-Dichloroethane-d4 (Surr)	2500 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-100927-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
VOASTDCASPT_00083	10/15/14	10/08/14	Methanol, Lot V091514A	1 mL	VOARGAS_00002	25 uL	4-Bromofluorobenzene	2500 ug/mL
							Dibromofluoromethane	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL
							Bromomethane	50 ug/mL
							Butadiene	50 ug/mL
							Chloroethane	50 ug/mL
.VOARGAS_00002	02/28/15		RESTEK, Lot A093341		(Purchased Reagent)		Chloromethane	50 ug/mL
							Dichlorodifluoromethane	50 ug/mL
							Dichlorofluoromethane	50 ug/mL
							Trichlorofluoromethane	50 ug/mL
							Vinyl chloride	50 ug/mL
							Bromomethane	2000 ug/mL
VOASTDCASPT_00085	10/29/14	10/22/14	Methanol, Lot V091514A	1 mL	VOARGAS_00002	25 uL	Butadiene	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Dichlorodifluoromethane	2000 ug/mL
							Dichlorofluoromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
.VOARGAS_00002	02/28/15		RESTEK, Lot A093341		(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Dichlorodifluoromethane	2000 ug/mL
							Trichlorofluoromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
VOASTDPT2_00012	10/11/14	09/27/14	Methanol, Lot V091514A	1 mL	VOAR2CEVE_00002 VOARAcrolein_00009 VOARADCOM_00003	50 uL 12.5 uL 25 uL	2-Chloroethyl vinyl ether	100 ug/mL
							Acrolein	250 ug/mL
							1,2,3-Trimethylbenzene	50 ug/mL
							1,3,5-Trichlorobenzene	50 ug/mL
							1-Chlorohexane	50 ug/mL
							2-Chloro-1,3-butadiene	50 ug/mL
							2-Nitropropane	100 ug/mL
							Benzyl chloride	50 ug/mL
							Ethyl acetate	100 ug/mL
							Ethyl acrylate	50 ug/mL
							Isopropyl alcohol	500 ug/mL
							Methacrylonitrile	500 ug/mL
							Methyl methacrylate	100 ug/mL
							n-Butanol	1250 ug/mL
							n-Butyl acetate	50 ug/mL
							Cyclohexanone	2500 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-100927-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					VOARKETON_00002	10 uL	2-Butanone (MEK)	100 ug/mL
							2-Hexanone	100 ug/mL
							4-Methyl-2-pentanone (MIBK)	100 ug/mL
							Acetone	100 ug/mL
							1,1,1,2-Tetrachloroethane	50 ug/mL
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,1-Dichloropropene	50 ug/mL
							1,2,3-Trichlorobenzene	50 ug/mL
							1,2,3-Trichloropropene	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2,4-Trimethylbenzene	50 ug/mL
							1,2-Dibromo-3-Chloropropene	50 ug/mL
					VOARMegMixT_00001	25 uL	1,2-Dibromoethane	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloropropene	50 ug/mL
							1,3,5-Trimethylbenzene	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,3-Dichloropropene	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							1,4-Dioxane	1000 ug/mL
							2,2-Dichloropropene	50 ug/mL
							2-Chlorotoluene	50 ug/mL
							2-Methyl-2-propanol	500 ug/mL
							3-Chloro-1-propene	50 ug/mL
							4-Chlorotoluene	50 ug/mL
							Acrylonitrile	500 ug/mL
							Benzene	50 ug/mL
Bromobenzene	50 ug/mL							
Bromochloromethane	50 ug/mL							
Bromodichloromethane	50 ug/mL							
Bromoform	50 ug/mL							
Carbon disulfide	50 ug/mL							
Carbon tetrachloride	50 ug/mL							
Chlorobenzene	50 ug/mL							
Chlorodibromomethane	50 ug/mL							
Chloroform	50 ug/mL							
cis-1,2-Dichloroethene	50 ug/mL							
cis-1,3-Dichloropropene	50 ug/mL							
Cyclohexane	50 ug/mL							
Dibromomethane	50 ug/mL							
Ethyl ether	50 ug/mL							

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-100927-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Ethyl methacrylate	50 ug/mL
							Ethylbenzene	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Hexane	50 ug/mL
							Iodomethane	50 ug/mL
							Isobutyl alcohol	1250 ug/mL
							Isopropylbenzene	50 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methyl acetate	250 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylcyclohexane	50 ug/mL
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL
							n-Heptane	50 ug/mL
							N-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							p-Isopropyltoluene	50 ug/mL
							sec-Butylbenzene	50 ug/mL
							Styrene	50 ug/mL
							tert-Butylbenzene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Tetrahydrofuran	100 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							trans-1,4-Dichloro-2-butene	50 ug/mL
							Trichloroethene	50 ug/mL
							Pentachloroethane	50 ug/mL
							Acetonitrile	500 ug/mL
							Ethanol	2500 ug/mL
							Isopropyl ether	50 ug/mL
							Propionitrile	500 ug/mL
							Tert-amyl methyl ether	50 ug/mL
							Tert-butyl ethyl ether	50 ug/mL
							1,2-Dichloroethane-d4 (Surr)	50 ug/mL
							4-Bromofluorobenzene	50 ug/mL
							Dibromofluoromethane	50 ug/mL
							Toluene-d8 (Surr)	50 ug/mL
							Vinyl acetate	100 ug/mL
							2-Chloroethyl vinyl ether	2000 ug/mL
							Acrolin	20000 ug/mL
							1,2,3-Trimethylbenzene	2000 ug/mL
							1,3,5-Trichlorobenzene	2000 ug/mL
							1-Chlorohexane	2000 ug/mL
							2-Chloro-1,3-butadiene	2000 ug/mL
							2-Nitropropane	4000 ug/mL
							Benzyl chloride	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-100927-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.VOARCYCHONE_00004 .VOARKETON_00002	02/29/16 02/29/16		Restek, Lot A093361 RESTEK, Lot A093365		(Purchased Reagent) (Purchased Reagent)		Ethyl acetate	4000 ug/mL
							Ethyl acrylate	2000 ug/mL
							Isopropyl alcohol	20000 ug/mL
							Methacrylonitrile	20000 ug/mL
							Methyl methacrylate	4000 ug/mL
							n-Butanol	50000 ug/mL
.VOARMEgMixT_00001	02/29/16		Restek, Lot A093581		(Purchased Reagent)		n-Butyl acetate	2000 ug/mL
							Cyclohexanone	20000 ug/mL
							2-Butanone (MEK)	10000 ug/mL
							2-Hexanone	10000 ug/mL
							4-Methyl-2-pentanone (MIBK)	10000 ug/mL
							Acetone	10000 ug/mL
							1,1,1,2-Tetrachloroethane	2000 ug/mL
							1,1,1-Trichloroethane	2000 ug/mL
							1,1,2,2-Tetrachloroethane	2000 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	2000 ug/mL
							1,1,2-Trichloroethane	2000 ug/mL
							1,1-Dichloroethane	2000 ug/mL
							1,1-Dichloroethene	2000 ug/mL
							1,1-Dichloropropene	2000 ug/mL
							1,2,3-Trichlorobenzene	2000 ug/mL
							1,2,3-Trichloropropane	2000 ug/mL
							1,2,4-Trichlorobenzene	2000 ug/mL
							1,2,4-Trimethylbenzene	2000 ug/mL
							1,2-Dibromo-3-Chloropropane	2000 ug/mL
							1,2-Dibromoethane	2000 ug/mL
							1,2-Dichlorobenzene	2000 ug/mL
							1,2-Dichloroethane	2000 ug/mL
							1,2-Dichloropropane	2000 ug/mL
							1,3,5-Trimethylbenzene	2000 ug/mL
							1,3-Dichlorobenzene	2000 ug/mL
							1,3-Dichloropropane	2000 ug/mL
							1,4-Dichlorobenzene	2000 ug/mL
							1,4-Dioxane	40000 ug/mL
							2,2-Dichloropropane	2000 ug/mL
							2-Chlorotoluene	2000 ug/mL
							2-Methyl-2-propanol	20000 ug/mL
							3-Chloro-1-propene	2000 ug/mL
							4-Chlorotoluene	2000 ug/mL
							Acrylonitrile	20000 ug/mL
							Benzene	2000 ug/mL
							Bromobenzene	2000 ug/mL
							Bromochloromethane	2000 ug/mL
							Bromodichloromethane	2000 ug/mL
							Bromoform	2000 ug/mL
							Carbon disulfide	2000 ug/mL
							Carbon tetrachloride	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-100927-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.VOARNR2_00001 .VOARPOLADD_00001							Chlorobenzene	2000 ug/mL
							Chlorodibromomethane	2000 ug/mL
							Chloroform	2000 ug/mL
							cis-1,2-Dichloroethene	2000 ug/mL
							cis-1,3-Dichloropropene	2000 ug/mL
							Cyclohexane	2000 ug/mL
							Dibromomethane	2000 ug/mL
							Ethyl ether	2000 ug/mL
							Ethyl methacrylate	2000 ug/mL
							Ethylbenzene	2000 ug/mL
							Hexachlorobutadiene	2000 ug/mL
							Hexane	2000 ug/mL
							Iodomethane	2000 ug/mL
							Isobutyl alcohol	50000 ug/mL
							Isopropylbenzene	2000 ug/mL
							m-Xylene & p-Xylene	2000 ug/mL
							Methyl acetate	10000 ug/mL
							Methyl tert-butyl ether	2000 ug/mL
							Methylcyclohexane	2000 ug/mL
							Methylene Chloride	2000 ug/mL
.VOARSS_00003							n-Heptane	2000 ug/mL
							N-Propylbenzene	2000 ug/mL
							Naphthalene	2000 ug/mL
							o-Xylene	2000 ug/mL
							p-Isopropyltoluene	2000 ug/mL
							sec-Butylbenzene	2000 ug/mL
							Styrene	2000 ug/mL
							tert-Butylbenzene	2000 ug/mL
							Tetrachloroethene	2000 ug/mL
							Tetrahydrofuran	4000 ug/mL
							Toluene	2000 ug/mL
							trans-1,2-Dichloroethene	2000 ug/mL
							trans-1,3-Dichloropropene	2000 ug/mL
							trans-1,4-Dichloro-2-butene	2000 ug/mL
							Trichloroethene	2000 ug/mL
							Pentachloroethane	2000 ug/mL
							Acetonitrile	20000 ug/mL
							Ethanol	100000 ug/mL
							Isopropyl ether	2000 ug/mL
							Propionitrile	20000 ug/mL
.VOARVA_00004							Tert-amyl methyl ether	2000 ug/mL
							Tert-butyl ethyl ether	2000 ug/mL
.VOARVA_00004							1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene	2500 ug/mL
.VOARVA_00004							Dibromofluoromethane	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL
.VOARVA_00004							Vinyl acetate	4000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-100927-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
VOASTDPT2_00014	11/08/14	10/25/14	Methanol, Lot V091514A	1 mL	VOAR2CEVE_00002	50 uL	2-Chloroethyl vinyl ether	100 ug/mL
					VOARKETON_00002	10 uL	2-Butanone (MEK)	100 ug/mL
					VOARMegMixT_00001	25 uL	1,1,1,2-Tetrachloroethane	50 ug/mL
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,1-Dichloropropene	50 ug/mL
							1,2,3-Trichlorobenzene	50 ug/mL
							1,2,3-Trichloropropene	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2,4-Trimethylbenzene	50 ug/mL
							1,2-Dibromo-3-Chloropropene	50 ug/mL
							1,2-Dibromoethane	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloropropene	50 ug/mL
							1,3,5-Trimethylbenzene	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,3-Dichloropropene	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							2,2-Dichloropropene	50 ug/mL
							2-Chlorotoluene	50 ug/mL
							4-Chlorotoluene	50 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chlorodibromomethane	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Dibromomethane	50 ug/mL
							Ethylbenzene	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Isopropylbenzene	50 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL
							N-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							p-Isopropyltoluene	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-100927-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.VOAR2CEVE_00002 .VOARKETON_00002 .VOARMegMixT_00001	02/29/16		Restek, Lot A093368 RESTEK, Lot A093365 Restek, Lot A093581		VOARSS_00003	20 uL	sec-Butylbenzene	50 ug/mL
							Styrene	50 ug/mL
							tert-Butylbenzene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							Trichloroethene	50 ug/mL
							Xylenes, Total	100 ug/mL
							1,2-Dichloroethane-d4 (Surr)	50 ug/mL
							4-Bromofluorobenzene	50 ug/mL
							Dibromofluoromethane	50 ug/mL
							Toluene-d8 (Surr)	50 ug/mL
							2-Chloroethyl vinyl ether	2000 ug/mL
							2-Butanone (MEK)	10000 ug/mL
	02/29/16						1,1,1,2-Tetrachloroethane	2000 ug/mL
							1,1,1-Trichloroethane	2000 ug/mL
							1,1,2,2-Tetrachloroethane	2000 ug/mL
							1,1,2-Trichloroethane	2000 ug/mL
							1,1-Dichloroethane	2000 ug/mL
							1,1-Dichloropropene	2000 ug/mL
							1,2,3-Trichlorobenzene	2000 ug/mL
							1,2,3-Trichloropropene	2000 ug/mL
							1,2,4-Trichlorobenzene	2000 ug/mL
							1,2,4-Trimethylbenzene	2000 ug/mL
							1,2-Dibromo-3-Chloropropene	2000 ug/mL
							1,2-Dibromoethane	2000 ug/mL
							1,2-Dichlorobenzene	2000 ug/mL
							1,2-Dichloroethane	2000 ug/mL
							1,2-Dichloropropene	2000 ug/mL
							1,3,5-Trimethylbenzene	2000 ug/mL
							1,3-Dichlorobenzene	2000 ug/mL
							1,3-Dichloropropene	2000 ug/mL
							1,4-Dichlorobenzene	2000 ug/mL
							2,2-Dichloropropene	2000 ug/mL
							2-Chlorotoluene	2000 ug/mL
							4-Chlorotoluene	2000 ug/mL
							Benzene	2000 ug/mL
							Bromobenzene	2000 ug/mL
							Bromochloromethane	2000 ug/mL
							Bromodichloromethane	2000 ug/mL
							Bromoform	2000 ug/mL
							Carbon tetrachloride	2000 ug/mL
							Chlorobenzene	2000 ug/mL
							Chlorodibromomethane	2000 ug/mL
							Chloroform	2000 ug/mL
							cis-1,2-Dichloroethene	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-100927-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.VOARSS_00003	01/31/19		Restek, Lot A0101000				cis-1,3-Dichloropropene	2000 ug/mL
							Dibromomethane	2000 ug/mL
							Ethylbenzene	2000 ug/mL
							Hexachlorobutadiene	2000 ug/mL
							Isopropylbenzene	2000 ug/mL
							m-Xylene & p-Xylene	2000 ug/mL
							Methyl tert-butyl ether	2000 ug/mL
							Methylene Chloride	2000 ug/mL
							n-Butylbenzene	2000 ug/mL
							N-Propylbenzene	2000 ug/mL
							Naphthalene	2000 ug/mL
							o-Xylene	2000 ug/mL
							p-Isopropyltoluene	2000 ug/mL
							sec-Butylbenzene	2000 ug/mL
							Styrene	2000 ug/mL
							tert-Butylbenzene	2000 ug/mL
							Tetrachloroethene	2000 ug/mL
							Toluene	2000 ug/mL
							trans-1,2-Dichloroethene	2000 ug/mL
							trans-1,3-Dichloropropene	2000 ug/mL
					(Purchased Reagent)		Trichloroethene	2000 ug/mL
							Xylenes, Total	4000 ug/mL
							1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene	2500 ug/mL
							Dibromofluoromethane	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Corpus Christi Job No.: 600-100927-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
aICV_esi500_00007	05/01/15	04/15/13	5%/3% HCl/HNO3, Lot 1125384	100 mL	ESI-spKA_00007	2 mL	Manganese, Dissolved	5 mg/L
.ESI-spKA_00007	05/01/15	Elemental Scientific	Elemental Scientific, Lot 1059635		(Purchased Reagent)		Manganese, Dissolved	250 mg/L
ESI-spKA_00008	10/01/15	Elemental Scientific	Elemental Scientific, Lot 1064946		(Purchased Reagent)		Al	2500 mg/L
							As	25 mg/L
							B	25 mg/L
							Ba	25 mg/L
							Be	35 mg/L
							Ca	2500 mg/L
							Cd	25 mg/L
							Co	25 mg/L
							Cr	25 mg/L
							Cu	25 mg/L
							Fe	2500 mg/L
							K	2500 mg/L
							Li	25 mg/L
							Manganese, Dissolved	250 mg/L
							Mg	2500 mg/L
							Mo	25 mg/L
							Na	2500 mg/L
							Ni	25 mg/L
							P	250 mg/L
							Pb	25 mg/L
ESI-spKB_00006	10/01/15	Elemental Scientific	Elemental Scientific, Lot 1064946		(Purchased Reagent)		Sb	25 mg/L
							Se	25 mg/L
							Si	500 mg/L
							Sn	25 mg/L
							Sr	25 mg/L
							Ti	25 mg/L
							Tl	10 mg/L
							U	25 mg/L
							V	25 mg/L
							Zn	25 mg/L
INT-A_00083	01/17/15	07/17/14	DI+HNO3,HCl, Lot icap acid_00059	100 mL	130925INT-A_00001	5 mL	Al	250000 ug/L
.130925INT-A_00001	03/20/15		CPI, Lot 13H156		(Purchased Reagent)		Ca	250000 ug/L
							Fe	100000 ug/L
							Mg	250000 ug/L
							Al	5000 ug/mL
							Ca	5000 ug/mL
INT-AB_00086	02/21/15	08/21/14	5%/3% HCl/HNO3, Lot icap acid_00061	100 mL	130925INT-A_00001	5 mL	Fe	2000 ug/mL
							Mg	5000 ug/mL
							Al	250000 ug/L
							Ca	250000 ug/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Corpus Christi Job No.: 600-100927-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.130925INT-A_00001					140813INTB_00001	1 mL	Fe	10000 ug/L
							Mg	25000 ug/L
							Ag	1000 ug/L
							Ba	500 ug/L
							Be	500 ug/L
							Cd	1000 ug/L
							Co	500 ug/L
							Cr	500 ug/L
							Cu	500 ug/L
							Manganese, Dissolved	500 ug/L
							Ni	1000 ug/L
.140813INTB_00001	03/20/15		CPI, Lot 13H156		(Purchased Reagent)		Pb	1000 ug/L
							V	500 ug/L
							Zn	1000 ug/L
							Al	5000 ug/mL
							Ca	5000 ug/mL
							Fe	2000 ug/mL
							Mg	5000 ug/mL
							Ag	100 ug/mL
							Ba	50 ug/mL
							Be	50 ug/mL
							Cd	100 ug/mL
.TS_MS250_00024	01/01/15	09/01/14	5%/3% HCl/HNO3, Lot icap acid	50 mL	TS_MS500_00014	25 mL	Manganese, Dissolved	2.5 mg/L
							Ag	1000 ug/L
							Ba	500 ug/L
							Be	500 ug/L
							Cd	1000 ug/L
							Co	500 ug/L
							Cr	500 ug/L
							Cu	500 ug/L
							Manganese, Dissolved	500 ug/L
							Ni	1000 ug/L
							Pb	1000 ug/L
.MT-STD-3_00006	01/01/15	09/01/14	5%/3% HCl/HNO3, Lot icap acid	200 mL	MT-STD-3_00006	1 mL	Manganese, Dissolved	5 mg/L
							Ag	1000 ug/L
							Ba	500 ug/L
							Be	500 ug/L
							Cd	1000 ug/L
							Co	500 ug/L
							Cr	500 ug/L
							Cu	500 ug/L
							Manganese, Dissolved	500 ug/L
							Ni	1000 ug/L
							Pb	1000 ug/L
.TS_MS500_00014	01/01/15	09/01/14	5%/3% HCl/HNO3, Lot icap acid	200 mL	MT-STD-3_00006	1 mL	Manganese, Dissolved	5 mg/L
							Ag	1000 ug/L
							Ba	500 ug/L
							Be	500 ug/L
							Cd	1000 ug/L
							Co	500 ug/L
							Cr	500 ug/L
							Cu	500 ug/L
							Manganese, Dissolved	500 ug/L
							Ni	1000 ug/L
							Pb	1000 ug/L
.MT-STD-3_00006	01/01/15	09/01/14	5%/3% HCl/HNO3, Lot icap acid	200 mL	MT-STD-3_00006	1 mL	Manganese, Dissolved	5 mg/L
							Ag	1000 ug/L
							Ba	500 ug/L
							Be	500 ug/L
							Cd	1000 ug/L
							Co	500 ug/L
							Cr	500 ug/L
							Cu	500 ug/L
							Manganese, Dissolved	500 ug/L
							Ni	1000 ug/L
							Pb	1000 ug/L
.TS_MS500_00014	01/01/15	09/01/14	5%/3% HCl/HNO3, Lot icap acid	200 mL	MT-STD-3_00006	1 mL	Manganese, Dissolved	5 mg/L
							Ag	1000 ug/L
							Ba	500 ug/L
							Be	500 ug/L
							Cd	1000 ug/L
							Co	500 ug/L
							Cr	500 ug/L
							Cu	500 ug/L
							Manganese, Dissolved	500 ug/L
							Ni	1000 ug/L
							Pb	1000 ug/L
.MT-STD-3_00006	01/01/15	09/01/14	5%/3% HCl/HNO3, Lot icap acid	200 mL	MT-STD-3_00006	1 mL	Manganese, Dissolved	5 mg/L
							Ag	1000 ug/L
							Ba	500 ug/L
							Be	500 ug/L
							Cd	1000 ug/L
							Co	500 ug/L
							Cr	500 ug/L
							Cu	500 ug/L
							Manganese, Dissolved	500 ug/L
							Ni	1000 ug/L
							Pb	1000 ug/L

Certification Summary

Client: CH2M Hill Constructors, Inc.
Project/Site: Dowell - Artesia Groundwater

TestAmerica Job ID: 600-100927-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Houston	Arkansas DEQ	State Program	6	88-0759
TestAmerica Houston	Louisiana	NELAP	6	30643
TestAmerica Houston	Oklahoma	State Program	6	1309
TestAmerica Houston	Texas	NELAP	6	T104704223
TestAmerica Houston	USDA	Federal		P330-14-00192
TestAmerica Houston	Utah	NELAP	8	TX00083
TestAmerica Corpus Christi	Kansas	NELAP	7	E-10362
TestAmerica Corpus Christi	Oklahoma	State Program	6	9968
TestAmerica Corpus Christi	Texas	NELAP	6	T104704210

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

8260B_LL

Volatile Organic Compounds (GC/MS)
by Method 8260B Low Level

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-100953-1

SDG No.: _____

Matrix: Water Level: Low

GC Column (1): DB-VRX 60 ID: 0.52 (mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
ARTESIA-MW56-10145 014	600-100953-1	106	89	155	84
ARTESIA-TB01-10145 014	600-100953-5	100	83	150	85
ARTESIA-MW77-10125 014	600-100953-7	107	89	155	84
ARTESIA-MW59-10125 014	600-100953-4	102	95	119	33
ARTESIA-MW70-10125 014	600-100953-2	103	95	116	81
ARTESIA-MW58-10125 014	600-100953-6	104	89	113	82
ARTESIA-DUP05-1012 5014	600-100953-3	104	90	112	84
ARTESIA-MW75-10125 014	600-100953-8	107	90	119	33
ARTESIA-MW74-10125 014	600-100953-9	106	96	116	81
ARTESIA-MW55-10165 014	600-100953-10	103	91	154	88
ARTESIA-MW71-10165 014	600-100953-11	108	93	113	81
ARTESIA-MW51-10165 014	600-100953-15	106	92	152	87
ARTESIA-MW18-10165 014	600-100953-17	100	91	118	83
ARTESIA-MW50-10165 014	600-100953-14	102	90	151	38
ARTESIA-MW12-10135 014	600-100953-12	102	91	151	80
ARTESIAMW13C-10135 014	600-100953-16	104	95	155	81
ARTESIA-MW15-10135 014	600-100953-13	96	83	104	67 X
ARTESIA-MW15-10135 014 DL	600-100953-13 DL	94	82	118	39
ARTESIA-MW3-101350 14	600-100953-18	102	91	151	80
ARTESIA-MW8-101350 14	600-100953-19	103	94	153	81
ARTESIA-MW11-10135 014	600-100953-50	104	91	151	82
ARTESIA-TB05-10505 014	600-100953-51	89	39	114	34
	MB 600-143311/6	92	85	111	85
	MB 600-143375/2	96	84	103	81
	LCS 600-143311/7	102	86	110	85

QC LIMITS

DBFM = Dibromofluoromethane
DCA = 1,5-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene

65-170
20-174
30-170
63-179

Column to be used to flag recovery values

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-100953-1
SDG No.: _____
Matrix: Water Level: Low
GC Column (1): DB-VRX 60 ID: 0.52 (mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
	LCS 600-143375/14	96	87	105	36
	LCSD 600-143311/4	98	80	107	36
ARTESIA-MW74-10125 014 MS	600-100953-9 MS	100	84	108	39
ARTESIA-MW74-10125 014 MSD	600-100953-9 MSD	96	87	104	34

	<u>QC LIMITS</u>
DBFM = Dibromofluoromethane	65-170
DCA = 1,5-Dichloroethane-d4 (Surr)	20-174
TOL = Toluene-d8 (Surr)	30-170
BFB = 4-Bromofluorobenzene	63-179

Column to be used to flag recovery values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-100927-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: A29902.D
 Lab ID: LCS 600-147711/3 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Dichlorodifluoromethane	10.0	7.642	76	10-150	
Chloromethane	10.0	8.282	83	10-150	
Vinyl chloride	10.0	10.16	102	33-150	
Bromomethane	10.0	12.50	125	25-150	
Chloroethane	10.0	11.38	114	47-150	
Trichlorofluoromethane	10.0	14.72	147	43-150	
1,1-Dichloroethene	10.0	11.78	118	58-148	
trans-1,2-Dichloroethene	10.0	10.76	108	68-131	
Methyl tert-butyl ether	10.0	9.502	95	56-132	
Methylene Chloride	10.0	9.962	100	55-147	
cis-1,2-Dichloroethene	10.0	10.34	103	68-130	
2-Butanone (MEK)	20.0	19.04	95	41-141	
Bromochloromethane	10.0	11.19	112	58-130	
Carbon tetrachloride	10.0	12.35	124	70-144	
Benzene	10.0	9.658	97	70-130	
1,2-Dichloroethane	10.0	9.139	91	67-134	
Trichloroethene	10.0	12.04	120	70-130	
1,1,1-Trichloroethane	10.0	12.44	124	70-136	
1,1-Dichloroethane	10.0	9.239	92	70-140	
1,2-Dichloropropane	10.0	10.69	107	70-130	
2,2-Dichloropropane	10.0	12.36	124	64-149	
Dibromomethane	10.0	9.074	91	70-130	
Chloroform	10.0	11.04	110	70-130	
Bromodichloromethane	10.0	10.00	100	70-131	
2-Chloroethyl vinyl ether	20.0	15.65	78	10-150	
1,1-Dichloropropene	10.0	9.895	99	70-137	
cis-1,3-Dichloropropene	10.0	8.901	89	57-130	
Toluene	10.0	11.01	110	70-130	
trans-1,3-Dichloropropene	10.0	8.345	83	60-130	
1,1,2-Trichloroethane	10.0	10.44	104	70-130	
Tetrachloroethene	10.0	10.48	105	47-150	
1,3-Dichloropropane	10.0	9.529	95	70-130	
Chlorodibromomethane	10.0	11.03	110	62-130	
1,2-Dibromoethane	10.0	10.41	104	67-130	
Chlorobenzene	10.0	11.02	110	69-130	
1,1,1,2-Tetrachloroethane	10.0	12.42	124	70-130	
Ethylbenzene	10.0	10.96	110	70-130	
m-Xylene & p-Xylene	10.0	10.54	105	70-130	
Xylenes, Total	20.0	21.23	106	70-130	
o-Xylene	10.0	10.69	107	70-130	
Styrene	10.0	9.624	96	70-130	
Bromoform	10.0	11.95	119	54-133	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-100927-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: A29902.D
 Lab ID: LCS 600-147711/3 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Isopropylbenzene	10.0	8.476	85	65-132	
Bromobenzene	10.0	9.985	100	70-130	
1,2,3-Trichloropropane	10.0	8.399	84	48-136	
1,1,2,2-Tetrachloroethane	10.0	7.301	73	58-133	
N-Propylbenzene	10.0	9.019	90	69-130	
2-Chlorotoluene	10.0	8.954	90	65-130	
4-Chlorotoluene	10.0	8.020	80	70-130	
1,3,5-Trimethylbenzene	10.0	8.632	86	69-130	
tert-Butylbenzene	10.0	9.358	94	70-130	
p-Isopropyltoluene	10.0	8.641	86	70-130	
1,2,4-Trimethylbenzene	10.0	8.598	86	70-130	
sec-Butylbenzene	10.0	8.894	89	68-130	
1,3-Dichlorobenzene	10.0	10.14	101	70-130	
1,4-Dichlorobenzene	10.0	9.166	92	70-130	
1,2-Dichlorobenzene	10.0	10.55	106	70-130	
n-Butylbenzene	10.0	8.647	86	70-130	
1,2-Dibromo-3-Chloropropane	10.0	10.58	106	41-142	
1,2,4-Trichlorobenzene	10.0	12.57	126	46-150	
Hexachlorobutadiene	10.0	13.63	136	55-150	
Naphthalene	10.0	10.10	101	10-150	
1,2,3-Trichlorobenzene	10.0	13.05	130	10-150	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-100927-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: A30014.D
 Lab ID: LCS 600-147732/14 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Dichlorodifluoromethane	10.0	4.908	49	10-150	
Chloromethane	10.0	6.538	65	10-150	
Vinyl chloride	10.0	8.257	83	33-150	
Bromomethane	10.0	9.535	95	25-150	
Chloroethane	10.0	8.362	84	47-150	
Trichlorofluoromethane	10.0	11.09	111	43-150	
1,1-Dichloroethene	10.0	11.54	115	58-148	
trans-1,2-Dichloroethene	10.0	10.54	105	68-131	
Methyl tert-butyl ether	10.0	9.566	96	56-132	
Methylene Chloride	10.0	11.30	113	55-147	
cis-1,2-Dichloroethene	10.0	9.726	97	68-130	
2-Butanone (MEK)	20.0	18.25	91	41-141	
Bromochloromethane	10.0	10.64	106	58-130	
Carbon tetrachloride	10.0	11.36	114	70-144	
Benzene	10.0	9.016	90	70-130	
1,2-Dichloroethane	10.0	8.888	89	67-134	
Trichloroethene	10.0	11.22	112	70-130	
1,1,1-Trichloroethane	10.0	11.49	115	70-136	
1,1-Dichloroethane	10.0	8.974	90	70-140	
1,2-Dichloropropane	10.0	8.198	82	70-130	
2,2-Dichloropropane	10.0	11.12	111	64-149	
Dibromomethane	10.0	8.541	85	70-130	
Chloroform	10.0	8.724	87	70-130	
Bromodichloromethane	10.0	9.485	95	70-131	
2-Chloroethyl vinyl ether	20.0	14.75	74	10-150	
1,1-Dichloropropene	10.0	9.409	94	70-137	
cis-1,3-Dichloropropene	10.0	8.347	83	57-130	
Toluene	10.0	9.860	99	70-130	
trans-1,3-Dichloropropene	10.0	8.319	83	60-130	
1,1,2-Trichloroethane	10.0	9.531	95	70-130	
Tetrachloroethene	10.0	9.820	98	47-150	
1,3-Dichloropropane	10.0	9.054	91	70-130	
Chlorodibromomethane	10.0	10.07	101	62-130	
1,2-Dibromoethane	10.0	10.20	102	67-130	
Chlorobenzene	10.0	10.36	104	69-130	
1,1,1,2-Tetrachloroethane	10.0	11.42	114	70-130	
Ethylbenzene	10.0	10.33	103	70-130	
m-Xylene & p-Xylene	10.0	9.941	99	70-130	
Xylenes, Total	20.0	19.92	100	70-130	
o-Xylene	10.0	9.976	100	70-130	
Styrene	10.0	9.465	95	70-130	
Bromoform	10.0	6.469	65	54-133	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-100927-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: A30014.D
 Lab ID: LCS 600-147732/14 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Isopropylbenzene	10.0	7.719	77	65-132	
Bromobenzene	10.0	9.307	93	70-130	
1,2,3-Trichloropropane	10.0	7.417	74	48-136	
1,1,2,2-Tetrachloroethane	10.0	6.245	62	58-133	
N-Propylbenzene	10.0	8.344	83	69-130	
2-Chlorotoluene	10.0	8.420	84	65-130	
4-Chlorotoluene	10.0	7.448	74	70-130	
1,3,5-Trimethylbenzene	10.0	7.930	79	69-130	
tert-Butylbenzene	10.0	8.623	86	70-130	
p-Isopropyltoluene	10.0	8.010	80	70-130	
1,2,4-Trimethylbenzene	10.0	8.075	81	70-130	
sec-Butylbenzene	10.0	8.241	82	68-130	
1,3-Dichlorobenzene	10.0	9.601	96	70-130	
1,4-Dichlorobenzene	10.0	8.489	85	70-130	
1,2-Dichlorobenzene	10.0	9.651	97	70-130	
n-Butylbenzene	10.0	8.005	80	70-130	
1,2-Dibromo-3-Chloropropane	10.0	8.662	87	41-142	
1,2,4-Trichlorobenzene	10.0	12.96	130	46-150	
Hexachlorobutadiene	10.0	12.63	126	55-150	
Naphthalene	10.0	12.92	129	10-150	
1,2,3-Trichlorobenzene	10.0	17.48	175	10-150	*

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-100927-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: A29903.D
Lab ID: LCSD 600-147711/4 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Dichlorodifluoromethane	10.0	7.400	74	3	20	10-150	
Chloromethane	10.0	7.949	79	4	20	10-150	
Vinyl chloride	10.0	9.309	93	9	20	33-150	
Bromomethane	10.0	11.37	114	9	20	25-150	
Chloroethane	10.0	10.41	104	9	20	47-150	
Trichlorofluoromethane	10.0	13.66	137	7	20	43-150	
1,1-Dichloroethene	10.0	11.54	115	2	20	58-148	
trans-1,2-Dichloroethene	10.0	11.08	111	3	20	68-131	
Methyl tert-butyl ether	10.0	9.797	98	3	20	56-132	
Methylene Chloride	10.0	9.792	98	2	20	55-147	
cis-1,2-Dichloroethene	10.0	10.25	103	1	20	68-130	
2-Butanone (MEK)	20.0	19.52	98	3	20	41-141	
Bromochloromethane	10.0	11.24	112	0	20	58-130	
Carbon tetrachloride	10.0	12.28	123	1	20	70-144	
Benzene	10.0	9.729	97	1	20	70-130	
1,2-Dichloroethane	10.0	9.248	92	1	20	67-134	
Trichloroethene	10.0	12.26	123	2	20	70-130	
1,1,1-Trichloroethane	10.0	12.10	121	3	20	70-136	
1,1-Dichloroethane	10.0	9.497	95	3	20	70-140	
1,2-Dichloropropane	10.0	10.88	109	2	20	70-130	
2,2-Dichloropropane	10.0	12.56	126	2	20	64-149	
Dibromomethane	10.0	9.836	98	8	20	70-130	
Chloroform	10.0	10.95	110	1	20	70-130	
Bromodichloromethane	10.0	10.25	102	2	20	70-131	
2-Chloroethyl vinyl ether	20.0	16.36	82	4	20	10-150	
1,1-Dichloropropene	10.0	10.11	101	2	20	70-137	
cis-1,3-Dichloropropene	10.0	8.986	90	1	20	57-130	
Toluene	10.0	10.88	109	1	20	70-130	
trans-1,3-Dichloropropene	10.0	8.709	87	4	20	60-130	
1,1,2-Trichloroethane	10.0	10.36	104	1	20	70-130	
Tetrachloroethene	10.0	10.44	104	0	20	47-150	
1,3-Dichloropropane	10.0	9.747	97	2	20	70-130	
Chlorodibromomethane	10.0	11.19	112	1	20	62-130	
1,2-Dibromoethane	10.0	10.55	106	1	20	67-130	
Chlorobenzene	10.0	11.08	111	1	20	69-130	
1,1,1,2-Tetrachloroethane	10.0	12.69	127	2	20	70-130	
Ethylbenzene	10.0	11.33	113	3	20	70-130	
m-Xylene & p-Xylene	10.0	10.55	105	0	20	70-130	
Xylenes, Total	20.0	21.20	106	0	20	70-130	
o-Xylene	10.0	10.65	107	0	20	70-130	
Styrene	10.0	9.716	97	1	20	70-130	
Bromoform	10.0	12.15	122	2	20	54-133	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-100927-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: A29903.D
 Lab ID: LCSD 600-147711/4 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Isopropylbenzene	10.0	8.495	85	0	20	65-132	
Bromobenzene	10.0	9.896	99	1	20	70-130	
1,2,3-Trichloropropane	10.0	8.014	80	5	20	48-136	
1,1,2,2-Tetrachloroethane	10.0	7.429	74	2	20	58-133	
N-Propylbenzene	10.0	8.983	90	0	20	69-130	
2-Chlorotoluene	10.0	8.881	89	1	20	65-130	
4-Chlorotoluene	10.0	7.785	78	3	20	70-130	
1,3,5-Trimethylbenzene	10.0	8.432	84	2	20	69-130	
tert-Butylbenzene	10.0	9.282	93	1	20	70-130	
p-Isopropyltoluene	10.0	8.618	86	0	20	70-130	
1,2,4-Trimethylbenzene	10.0	8.533	85	1	20	70-130	
sec-Butylbenzene	10.0	8.967	90	1	20	68-130	
1,3-Dichlorobenzene	10.0	10.29	103	2	20	70-130	
1,4-Dichlorobenzene	10.0	9.108	91	1	20	70-130	
1,2-Dichlorobenzene	10.0	10.70	107	1	20	70-130	
n-Butylbenzene	10.0	8.752	88	1	20	70-130	
1,2-Dibromo-3-Chloropropane	10.0	9.184	92	14	20	41-142	
1,2,4-Trichlorobenzene	10.0	13.28	133	5	20	46-150	
Hexachlorobutadiene	10.0	14.04	140	3	20	55-150	
Naphthalene	10.0	11.09	111	9	20	10-150	
1,2,3-Trichlorobenzene	10.0	15.74	157	19	20	10-150	*

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-100927-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: A30012.D
Lab ID: 600-100927-9 MS Client ID: ARTESIA-MW34-10152014 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Dichlorodifluoromethane	10.0	0.120 U	6.037	60	10-150	
Chloromethane	10.0	0.180 U	7.124	71	10-150	
Vinyl chloride	10.0	0.110 U	8.781	88	33-150	
Bromomethane	10.0	0.250 U	10.13	101	25-150	
Chloroethane	10.0	0.0800 U	9.484	95	47-150	
Trichlorofluoromethane	10.0	0.0800 U	11.87	119	43-150	
1,1-Dichloroethene	10.0	13.1	23.31	102	58-148	
trans-1,2-Dichloroethene	10.0	0.0900 U	11.07	111	68-131	
Methyl tert-butyl ether	10.0	0.120 U	10.03	100	56-132	
Methylene Chloride	10.0	0.150 U	9.019	90	55-147	
cis-1,2-Dichloroethene	10.0	0.146 J	10.29	101	68-130	
2-Butanone (MEK)	20.0	0.760 U	16.18	81	41-141	
Bromochloromethane	10.0	0.180 U	10.79	108	58-130	
Carbon tetrachloride	10.0	0.150 U	12.11	121	70-144	
Benzene	10.0	0.0800 U	9.328	93	70-130	
1,2-Dichloroethane	10.0	0.140 U	8.971	90	67-134	
Trichloroethene	10.0	2.66	14.46	118	70-130	
1,1,1-Trichloroethane	10.0	0.150 U	11.98	120	70-136	
1,1-Dichloroethane	10.0	4.06	13.11	91	70-140	
1,2-Dichloropropane	10.0	0.160 U	8.583	86	70-130	
2,2-Dichloropropane	10.0	0.130 U	11.97	120	64-149	
Dibromomethane	10.0	0.520 U	8.613	86	70-130	
Chloroform	10.0	0.130 U	9.306	93	70-130	
Bromodichloromethane	10.0	0.160 U	9.876	99	70-131	
2-Chloroethyl vinyl ether	20.0	0.500 U	1.965 J	10	10-150	
1,1-Dichloropropene	10.0	0.210 U	9.802	98	70-137	
cis-1,3-Dichloropropene	10.0	0.180 U	8.902	89	57-130	
Toluene	10.0	0.150 U	10.72	107	70-130	
trans-1,3-Dichloropropene	10.0	0.210 U	8.144	81	60-130	
1,1,2-Trichloroethane	10.0	0.280 U	10.29	103	70-130	
Tetrachloroethene	10.0	7.52	15.57	80	47-150	
1,3-Dichloropropane	10.0	0.220 U	9.705	97	70-130	
Chlorodibromomethane	10.0	0.150 U	11.25	112	62-130	
1,2-Dibromoethane	10.0	0.180 U	10.32	103	67-130	
Chlorobenzene	10.0	0.120 U	11.01	110	69-130	
1,1,1,2-Tetrachloroethane	10.0	0.180 U	12.64	126	70-130	
Ethylbenzene	10.0	0.110 U	11.20	112	70-130	
m-Xylene & p-Xylene	10.0	0.170 U	10.99	110	70-130	
Xylenes, Total	20.0	0.260 U	21.68	108	70-130	
o-Xylene	10.0	0.120 U	10.69	107	70-130	
Styrene	10.0	0.0700 U	9.511	95	70-130	
Bromoform	10.0	0.190 U	10.13	101	54-133	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-100927-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: A30012.D
 Lab ID: 600-100927-9 MS Client ID: ARTESIA-MW34-10152014 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Isopropylbenzene	10.0	0.180 U	8.861	89	65-132	
Bromobenzene	10.0	0.190 U	9.884	99	70-130	
1,2,3-Trichloropropane	10.0	0.290 U	7.998	80	48-136	
1,1,2,2-Tetrachloroethane	10.0	0.220 U	7.488	75	58-133	
N-Propylbenzene	10.0	0.150 U	9.691	97	69-130	
2-Chlorotoluene	10.0	0.130 U	9.182	92	70-130	
4-Chlorotoluene	10.0	0.140 U	8.284	83	70-130	
1,3,5-Trimethylbenzene	10.0	0.100 U	9.216	92	69-130	
tert-Butylbenzene	10.0	0.0800 U	9.546	95	70-130	
p-Isopropyltoluene	10.0	0.100 U	8.547	85	70-130	
1,2,4-Trimethylbenzene	10.0	0.140 U	16.10	161	70-130	F1
sec-Butylbenzene	10.0	0.120 U	9.038	90	68-130	
1,3-Dichlorobenzene	10.0	0.130 U	9.911	99	70-130	
1,4-Dichlorobenzene	10.0	0.110 U	8.840	88	70-130	
1,2-Dichlorobenzene	10.0	0.100 U	10.69	107	70-130	
n-Butylbenzene	10.0	0.160 U	8.820	88	70-130	
1,2-Dibromo-3-Chloropropane	10.0	0.810 U	8.766	88	41-142	
1,2,4-Trichlorobenzene	10.0	0.310 U	12.89	129	46-150	
Hexachlorobutadiene	10.0	0.170 U	12.91	129	55-150	
Naphthalene	10.0	0.320 U	28.56	286	10-150	F1
1,2,3-Trichlorobenzene	10.0	0.570 U	11.70	117	10-150	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Houston

Job No.: 600-100927-1

SDG No.: _____

Matrix: Water

Level: Low

Lab File ID: A30013.D

Lab ID: 600-100927-9 MSD

Client ID: ARTESIA-MW34-10152014 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Dichlorodifluoromethane	10.0	6.569	66	8	30	10-150	
Chloromethane	10.0	8.069	81	12	30	10-150	
Vinyl chloride	10.0	9.561	96	9	30	33-150	
Bromomethane	10.0	11.18	112	10	30	25-150	
Chloroethane	10.0	10.45	104	10	30	47-150	
Trichlorofluoromethane	10.0	13.26	133	11	30	43-150	
1,1-Dichloroethene	10.0	24.51	114	5	30	58-148	
trans-1,2-Dichloroethene	10.0	11.28	113	2	30	68-131	
Methyl tert-butyl ether	10.0	10.22	102	2	30	56-132	
Methylene Chloride	10.0	9.133	91	1	30	55-147	
cis-1,2-Dichloroethene	10.0	10.13	100	2	30	68-130	
2-Butanone (MEK)	20.0	17.93	90	10	30	41-141	
Bromochloromethane	10.0	11.23	112	4	30	58-130	
Carbon tetrachloride	10.0	12.54	125	3	30	70-144	
Benzene	10.0	9.556	96	2	30	70-130	
1,2-Dichloroethane	10.0	9.292	93	4	30	67-134	
Trichloroethene	10.0	15.00	123	4	30	70-130	
1,1,1-Trichloroethane	10.0	12.36	124	3	30	70-136	
1,1-Dichloroethane	10.0	13.27	92	1	30	70-140	
1,2-Dichloropropane	10.0	9.011	90	5	30	70-130	
2,2-Dichloropropane	10.0	12.27	123	2	30	64-149	
Dibromomethane	10.0	8.988	90	4	30	70-130	
Chloroform	10.0	9.184	92	1	30	70-130	
Bromodichloromethane	10.0	9.900	99	0	30	70-131	
2-Chloroethyl vinyl ether	20.0	1.881 J	9	4	30	10-150	F1
1,1-Dichloropropene	10.0	10.24	102	4	30	70-137	
cis-1,3-Dichloropropene	10.0	8.807	88	1	30	57-130	
Toluene	10.0	10.72	107	0	30	70-130	
trans-1,3-Dichloropropene	10.0	8.818	88	8	30	60-130	
1,1,2-Trichloroethane	10.0	10.55	106	3	30	70-130	
Tetrachloroethene	10.0	16.71	92	7	30	47-150	
1,3-Dichloropropane	10.0	9.745	97	0	30	70-130	
Chlorodibromomethane	10.0	11.46	115	2	30	62-130	
1,2-Dibromoethane	10.0	10.55	106	2	30	67-130	
Chlorobenzene	10.0	10.97	110	0	30	69-130	
1,1,1,2-Tetrachloroethane	10.0	12.67	127	0	30	70-130	
Ethylbenzene	10.0	11.29	113	1	30	70-130	
m-Xylene & p-Xylene	10.0	10.78	108	2	30	70-130	
Xylenes, Total	20.0	21.49	107	1	30	70-130	
o-Xylene	10.0	10.71	107	0	30	70-130	
Styrene	10.0	9.526	95	0	30	70-130	
Bromoform	10.0	10.35	104	2	30	54-133	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Houston Job No.: 600-100927-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: A30013.D
 Lab ID: 600-100927-9 MSD Client ID: ARTESIA-MW34-10152014 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Isopropylbenzene	10.0	8.592	86	3	30	65-132	
Bromobenzene	10.0	10.08	101	2	30	70-130	
1,2,3-Trichloropropane	10.0	8.295	83	4	30	48-136	
1,1,2,2-Tetrachloroethane	10.0	7.610	76	2	30	58-133	
N-Propylbenzene	10.0	9.178	92	5	30	69-130	
2-Chlorotoluene	10.0	9.167	92	0	30	70-130	
4-Chlorotoluene	10.0	8.095	81	2	30	70-130	
1,3,5-Trimethylbenzene	10.0	8.522	85	8	30	69-130	
tert-Butylbenzene	10.0	9.578	96	0	30	70-130	
p-Isopropyltoluene	10.0	8.634	86	1	30	70-130	
1,2,4-Trimethylbenzene	10.0	9.056	91	56	30	70-130	F2
sec-Butylbenzene	10.0	9.039	90	0	30	68-130	
1,3-Dichlorobenzene	10.0	10.37	104	5	30	70-130	
1,4-Dichlorobenzene	10.0	9.236	92	4	30	70-130	
1,2-Dichlorobenzene	10.0	10.81	108	1	30	70-130	
n-Butylbenzene	10.0	8.884	89	1	30	70-130	
1,2-Dibromo-3-Chloropropane	10.0	9.876	99	12	30	41-142	
1,2,4-Trichlorobenzene	10.0	13.76	138	7	30	46-150	
Hexachlorobutadiene	10.0	13.56	136	5	30	55-150	
Naphthalene	10.0	15.73	157	58	30	10-150	F1 F2
1,2,3-Trichlorobenzene	10.0	15.88	159	30	30	10-150	F1

Column to be used to flag recovery and RPD values

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-100927-1
SDG No.: _____
Lab File ID: A29905.D Lab Sample ID: MB 600-147711/6
Matrix: Water Heated Purge: (Y/N) N
Instrument ID: CHVOAMS07 Date Analyzed: 10/26/2014 12:16
GC Column: DB-VRX 60 ID: 0.25 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 600-147711/3	A29902.D	10/26/2014 10:22
	LCSD 600-147711/4	A29903.D	10/26/2014 10:51
ARTESIA-MW26-10142014	600-100927-1	A29909.D	10/26/2014 14:11
ARTESIA-MW33-10152014	600-100927-3	A29910.D	10/26/2014 14:39
ARTESIA-MW29-10152014	600-100927-4	A29911.D	10/26/2014 15:08
ARTESIA-MW30-10152014	600-100927-5	A29912.D	10/26/2014 15:36
ARTESIA-MW28-10152014	600-100927-6	A29913.D	10/26/2014 16:04
ARTESIA-DUP02-10152014	600-100927-7	A29914.D	10/26/2014 16:33
ARTESIA-MW32-10152014	600-100927-8	A29915.D	10/26/2014 17:02
ARTESIA-MW22-10162014	600-100927-10	A29916.D	10/26/2014 17:30
ARTESIA-MW21-10162014	600-100927-12	A29917.D	10/26/2014 17:59
ARTESIA-MW15-10172014	600-100927-15	A29919.D	10/26/2014 18:55
ARTESIA-MW20-10162014	600-100927-14	A29920.D	10/26/2014 19:24
ARTESIAMW17C-10172014	600-100927-16	A29921.D	10/26/2014 19:53
ARTESIA-MW7-10172014	600-100927-18	A29922.D	10/26/2014 20:21
ARTESIA-MW8-10172014	600-100927-19	A29923.D	10/26/2014 20:49
ARTESIA-MW31-10162014	600-100927-11	A29924.D	10/26/2014 21:18

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-100927-1
 SDG No.: _____
 Lab File ID: A30004.D Lab Sample ID: MB 600-147732/5
 Matrix: Water Heated Purge: (Y/N) N
 Instrument ID: CHVOAMS07 Date Analyzed: 10/27/2014 11:59
 GC Column: DB-VRX 60 ID: 0.25 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
ARTESIA-TB01-10142014	600-100927-2	A30005.D	10/27/2014 12:28
ARTESIA-TB02-10202014	600-100927-21	A30006.D	10/27/2014 12:57
ARTESIA-MW34-10152014	600-100927-9	A30007.D	10/27/2014 13:25
ARTESIA-MW18-10162014	600-100927-13	A30009.D	10/27/2014 13:54
ARTESIA-MW11-10172014	600-100927-20	A30010.D	10/27/2014 14:22
ARTESIA-MW12-10172014	600-100927-17	A30011.D	10/27/2014 14:51
ARTESIA-MW34-10152014 MS	600-100927-9 MS	A30012.D	10/27/2014 15:20
ARTESIA-MW34-10152014 MSD	600-100927-9 MSD	A30013.D	10/27/2014 15:48
	LCS 600-147732/14	A30014.D	10/27/2014 16:17
ARTESIA-MW12-10172014 DL	600-100927-17 DL	A30015.D	10/27/2014 16:45

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Houston Job No.: 600-100927-1
 SDG No.: _____
 Lab File ID: A28300.D BFB Injection Date: 10/10/2014
 Instrument ID: CHVOAMS07 BFB Injection Time: 12:17
 Analysis Batch No.: 146352

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	22.2
75	30.0 - 60.0 % of mass 95	54.4
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	7.7
173	Less than 2.0 % of mass 174	0.0 (0.0)1
174	50.0 - 120.00 % of mass 95	91.7
175	5.0 - 9.0 % of mass 174	7.6 (8.3)1
176	95.0 - 101.0 % of mass 174	88.9 (97.0)1
177	5.0 - 9.0 % of mass 176	5.4 (6.0)2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 600-146352/2	A28301.D	10/10/2014	12:45
	IC 600-146352/3	A28302A.D	10/10/2014	13:51
	IC 600-146352/4	A28303.D	10/10/2014	14:19
	IC 600-146352/5	A28304.D	10/10/2014	14:48
	ICIS 600-146352/6	A28305.D	10/10/2014	15:16
	IC 600-146352/7	A28306.D	10/10/2014	15:45
	IC 600-146352/8	A28307.D	10/10/2014	16:13

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Houston Job No.: 600-100927-1
SDG No.: _____
Lab File ID: A29900.D BFB Injection Date: 10/26/2014
Instrument ID: CHVOAMS07 BFB Injection Time: 09:18
Analysis Batch No.: 147711

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	15.7
75	30.0 - 60.0 % of mass 95	44.3
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.8
173	Less than 2.0 % of mass 174	0.0 (0.0)1
174	50.0 - 120.00 % of mass 95	107.3
175	5.0 - 9.0 % of mass 174	8.3 (7.7)1
176	95.0 - 101.0 % of mass 174	103.6 (96.6)1
177	5.0 - 9.0 % of mass 176	6.6 (6.4)2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 600-147711/2	A29901.D	10/26/2014	09:54
	LCS 600-147711/3	A29902.D	10/26/2014	10:22
	LCSD 600-147711/4	A29903.D	10/26/2014	10:51
	MB 600-147711/6	A29905.D	10/26/2014	12:16
ARTESIA-MW26-10142014	600-100927-1	A29909.D	10/26/2014	14:11
ARTESIA-MW33-10152014	600-100927-3	A29910.D	10/26/2014	14:39
ARTESIA-MW29-10152014	600-100927-4	A29911.D	10/26/2014	15:08
ARTESIA-MW30-10152014	600-100927-5	A29912.D	10/26/2014	15:36
ARTESIA-MW28-10152014	600-100927-6	A29913.D	10/26/2014	16:04
ARTESIA-DUP02-10152014	600-100927-7	A29914.D	10/26/2014	16:33
ARTESIA-MW32-10152014	600-100927-8	A29915.D	10/26/2014	17:02
ARTESIA-MW22-10162014	600-100927-10	A29916.D	10/26/2014	17:30
ARTESIA-MW21-10162014	600-100927-12	A29917.D	10/26/2014	17:59
ARTESIA-MW15-10172014	600-100927-15	A29919.D	10/26/2014	18:55
ARTESIA-MW20-10162014	600-100927-14	A29920.D	10/26/2014	19:24
ARTESIAMW17C-10172014	600-100927-16	A29921.D	10/26/2014	19:53
ARTESIA-MW7-10172014	600-100927-18	A29922.D	10/26/2014	20:21
ARTESIA-MW8-10172014	600-100927-19	A29923.D	10/26/2014	20:49
ARTESIA-MW31-10162014	600-100927-11	A29924.D	10/26/2014	21:18

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Houston Job No.: 600-100927-1
SDG No.: _____
Lab File ID: A30000.D BFB Injection Date: 10/27/2014
Instrument ID: CHVOAMS07 BFB Injection Time: 09:34
Analysis Batch No.: 147732

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	15.5
75	30.0 - 60.0 % of mass 95	43.5
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.9
173	Less than 2.0 % of mass 174	0.4 (0.4)1
174	50.0 - 120.00 % of mass 95	100.2
175	5.0 - 9.0 % of mass 174	8.6 (8.6)1
176	95.0 - 101.0 % of mass 174	100.8 (100.6)1
177	5.0 - 9.0 % of mass 176	6.8 (6.7)2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 600-147732/2	A30001.D	10/27/2014	10:05
	MB 600-147732/5	A30004.D	10/27/2014	11:59
ARTESIA-TB01-10142014	600-100927-2	A30005.D	10/27/2014	12:28
ARTESIA-TB02-10202014	600-100927-21	A30006.D	10/27/2014	12:57
ARTESIA-MW34-10152014	600-100927-9	A30007.D	10/27/2014	13:25
ARTESIA-MW18-10162014	600-100927-13	A30009.D	10/27/2014	13:54
ARTESIA-MW11-10172014	600-100927-20	A30010.D	10/27/2014	14:22
ARTESIA-MW12-10172014	600-100927-17	A30011.D	10/27/2014	14:51
ARTESIA-MW34-10152014 MS	600-100927-9 MS	A30012.D	10/27/2014	15:20
ARTESIA-MW34-10152014 MSD	600-100927-9 MSD	A30013.D	10/27/2014	15:48
	LCS 600-147732/14	A30014.D	10/27/2014	16:17
ARTESIA-MW12-10172014 DL	600-100927-17 DL	A30015.D	10/27/2014	16:45

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-100927-1
 SDG No.: _____
 Sample No.: CCVIS 600-147711/2 Date Analyzed: 10/26/2014 09:54
 Instrument ID: CHVOAMS07 GC Column: DB-VRX 60 ID: 0.25 (mm)
 Lab File ID (Standard): A29901.D Heated Purge: (Y/N) N
 Calibration ID: 4635

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		582053	8.70	140645	11.73	160138	14.31
UPPER LIMIT		1164106	9.20	281290	12.23	320276	14.81
LOWER LIMIT		291027	8.20	70323	11.23	80069	13.81
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 600-147711/3		584267	8.70	147781	11.73	166746	14.31
LCSD 600-147711/4		612073	8.70	155946	11.73	174544	14.31
MB 600-147711/6		449002	8.70	100145	11.73	122336	14.31
600-100927-1	ARTESIA-MW26-10142014	432180	8.70	94518	11.73	122255	14.31
600-100927-3	ARTESIA-MW33-10152014	434304	8.70	94783	11.73	120637	14.31
600-100927-4	ARTESIA-MW29-10152014	437541	8.70	98076	11.73	141936	14.31
600-100927-5	ARTESIA-MW30-10152014	413646	8.70	98130	11.73	132135	14.31
600-100927-6	ARTESIA-MW28-10152014	437627	8.70	99732	11.73	122635	14.31
600-100927-7	ARTESIA-DUP02-10152014	422583	8.70	99880	11.73	122768	14.31
600-100927-8	ARTESIA-MW32-10152014	413782	8.70	94534	11.73	136362	14.31
600-100927-10	ARTESIA-MW22-10162014	417559	8.70	91799	11.73	107525	14.31
600-100927-12	ARTESIA-MW21-10162014	409955	8.70	91508	11.73	120116	14.31
600-100927-15	ARTESIA-MW15-10172014	410029	8.70	95805	11.73	123574	14.31
600-100927-14	ARTESIA-MW20-10162014	421509	8.70	92738	11.73	129301	14.31
600-100927-16	ARTESIAMW17C-10172014	394583	8.70	88925	11.73	120859	14.31
600-100927-18	ARTESIA-MW7-10172014	399866	8.70	90961	11.73	121983	14.31
600-100927-19	ARTESIA-MW8-10172014	407249	8.70	88497	11.73	124035	14.31
600-100927-11	ARTESIA-MW31-10162014	373460	8.70	91950	11.73	127296	14.31

FB = Fluorobenzene

CBZ = Chlorobenzene-d5

DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area

RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Houston Job No.: 600-100927-1
 SDG No.: _____
 Sample No.: CCVIS 600-147732/2 Date Analyzed: 10/27/2014 10:05
 Instrument ID: CHVOAMS07 GC Column: DB-VRX 60 ID: 0.25 (mm)
 Lab File ID (Standard): A30001.D Heated Purge: (Y/N) N
 Calibration ID: 4635

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		563467	8.70	143134	11.73	153182	14.31
UPPER LIMIT		1126934	9.20	286268	12.23	306364	14.81
LOWER LIMIT		281734	8.20	71567	11.23	76591	13.81
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 600-147732/5		422864	8.70	98198	11.73	118699	14.31
600-100927-2	ARTESIA-TB01-10142014	443091	8.70	92984	11.73	113962	14.31
600-100927-21	ARTESIA-TB02-10202014	446336	8.70	92800	11.73	127876	14.31
600-100927-9	ARTESIA-MW34-10152014	403010	8.70	96867	11.73	128367	14.31
600-100927-13	ARTESIA-MW18-10162014	416244	8.70	92507	11.73	102760	14.31
600-100927-20	ARTESIA-MW11-10172014	422832	8.70	95096	11.73	112540	14.31
600-100927-17	ARTESIA-MW12-10172014	451434	8.70	111184	11.73	195067	14.31
600-100927-9 MS	ARTESIA-MW34-10152014 MS	640895	8.70	159611	11.73	180381	14.31
600-100927-9 MSD	ARTESIA-MW34-10152014 MSD	657937	8.70	165688	11.73	188304	14.31
LCS 600-147732/14		638640	8.70	165789	11.73	194442	14.31
600-100927-17 DL	ARTESIA-MW12-10172014 DL	573830	8.70	127575	11.73	177113	14.31

FB = Fluorobenzene
 CBZ = Chlorobenzene-d5
 DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
 RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-100927-1

SDG No.: _____

Client Sample ID: ARTESIA-MW26-10142014 Lab Sample ID: 600-100927-1

Matrix: Water Lab File ID: A29909.D

Analysis Method: 8260B Date Collected: 10/14/2014 15:55

Sample wt/vol: 20 (mL) Date Analyzed: 10/26/2014 14:11

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 147711 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	0.120	U	1.00	0.120
74-87-3	Chloromethane	0.180	U	2.00	0.180
75-01-4	Vinyl chloride	0.110	U	2.00	0.110
74-83-9	Bromomethane	0.250	U	2.00	0.250
75-00-3	Chloroethane	0.0800	U	2.00	0.0800
75-69-4	Trichlorofluoromethane	0.0800	U	1.00	0.0800
75-35-4	1,1-Dichloroethene	0.964	J	1.00	0.190
156-60-5	trans-1,2-Dichloroethene	0.0900	U	1.00	0.0900
1634-04-4	Methyl tert-butyl ether	0.120	U	1.00	0.120
75-09-2	Methylene Chloride	0.150	U	5.00	0.150
156-59-2	cis-1,2-Dichloroethene	0.0600	U	1.00	0.0600
78-93-3	2-Butanone (MEK)	0.760	U	2.00	0.760
74-97-5	Bromochloromethane	0.180	U	1.00	0.180
56-23-5	Carbon tetrachloride	0.150	U	1.00	0.150
71-43-2	Benzene	0.0800	U	1.00	0.0800
107-06-2	1,2-Dichloroethane	0.140	U	1.00	0.140
79-01-6	Trichloroethene	0.384	J	1.00	0.180
71-55-6	1,1,1-Trichloroethane	0.150	U	1.00	0.150
75-34-3	1,1-Dichloroethane	0.136	J	1.00	0.110
78-87-5	1,2-Dichloropropane	0.160	U	1.00	0.160
594-20-7	2,2-Dichloropropane	0.130	U	1.00	0.130
74-95-3	Dibromomethane	0.520	U	1.00	0.520
67-66-3	Chloroform	0.130	U	1.00	0.130
75-27-4	Bromodichloromethane	0.160	U	1.00	0.160
110-75-8	2-Chloroethyl vinyl ether	0.500	U	2.00	0.500
563-58-6	1,1-Dichloropropene	0.210	U	1.00	0.210
10061-01-5	cis-1,3-Dichloropropene	0.180	U	1.00	0.180
108-88-3	Toluene	0.150	U	1.00	0.150
10061-02-6	trans-1,3-Dichloropropene	0.210	U	1.00	0.210
79-00-5	1,1,2-Trichloroethane	0.280	U	1.00	0.280
127-18-4	Tetrachloroethene	0.261	J	1.00	0.130
142-28-9	1,3-Dichloropropane	0.220	U	1.00	0.220
124-48-1	Chlorodibromomethane	0.150	U	1.00	0.150
106-93-4	1,2-Dibromoethane	0.180	U	1.00	0.180
108-90-7	Chlorobenzene	0.120	U	1.00	0.120
630-20-6	1,1,1,2-Tetrachloroethane	0.180	U	1.00	0.180

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-100927-1

SDG No.: _____

Client Sample ID: ARTESIA-MW26-10142014 Lab Sample ID: 600-100927-1

Matrix: Water Lab File ID: A29909.D

Analysis Method: 8260B Date Collected: 10/14/2014 15:55

Sample wt/vol: 20 (mL) Date Analyzed: 10/26/2014 14:11

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 147711 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	0.110	U	1.00	0.110
179601-23-1	m-Xylene & p-Xylene	0.170	U	1.00	0.170
1330-20-7	Xylenes, Total	0.260	U	1.00	0.260
95-47-6	o-Xylene	0.120	U	1.00	0.120
100-42-5	Styrene	0.0700	U	1.00	0.0700
75-25-2	Bromoform	0.190	U	1.00	0.190
98-82-8	Isopropylbenzene	0.180	U	1.00	0.180
108-86-1	Bromobenzene	0.190	U	1.00	0.190
96-18-4	1,2,3-Trichloropropane	0.290	U	1.00	0.290
79-34-5	1,1,2,2-Tetrachloroethane	0.220	U	1.00	0.220
103-65-1	N-Propylbenzene	0.150	U	1.00	0.150
95-49-8	2-Chlorotoluene	0.130	U	1.00	0.130
106-43-4	4-Chlorotoluene	0.140	U	1.00	0.140
108-67-8	1,3,5-Trimethylbenzene	0.100	U	1.00	0.100
98-06-6	tert-Butylbenzene	0.0800	U	1.00	0.0800
99-87-6	p-Isopropyltoluene	0.100	U	1.00	0.100
95-63-6	1,2,4-Trimethylbenzene	0.140	U	1.00	0.140
135-98-8	sec-Butylbenzene	0.120	U	1.00	0.120
541-73-1	1,3-Dichlorobenzene	0.130	U	1.00	0.130
106-46-7	1,4-Dichlorobenzene	0.110	U	1.00	0.110
95-50-1	1,2-Dichlorobenzene	0.100	U	1.00	0.100
104-51-8	n-Butylbenzene	0.160	U	1.00	0.160
96-12-8	1,2-Dibromo-3-Chloropropane	0.810	U	1.00	0.810
120-82-1	1,2,4-Trichlorobenzene	0.310	U	1.00	0.310
87-68-3	Hexachlorobutadiene	0.170	U	1.00	0.170
91-20-3	Naphthalene	0.320	U	2.00	0.320
87-61-6	1,2,3-Trichlorobenzene	0.570	U *	1.00	0.570

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	84		67-139
1868-53-7	Dibromofluoromethane	106		62-130
2037-26-5	Toluene-d8 (Surr)	122		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	89		50-134

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-100927-1

SDG No.: _____

Client Sample ID: ARTESIA-TB01-10142014 Lab Sample ID: 600-100927-2

Matrix: Water Lab File ID: A30005.D

Analysis Method: 8260B Date Collected: 10/14/2014 15:00

Sample wt/vol: 20 (mL) Date Analyzed: 10/27/2014 12:28

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 147732 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	0.120	U	1.00	0.120
74-87-3	Chloromethane	0.180	U	2.00	0.180
75-01-4	Vinyl chloride	0.110	U	2.00	0.110
74-83-9	Bromomethane	0.250	U	2.00	0.250
75-00-3	Chloroethane	0.0800	U	2.00	0.0800
75-69-4	Trichlorofluoromethane	0.0800	U	1.00	0.0800
75-35-4	1,1-Dichloroethene	0.190	U	1.00	0.190
156-60-5	trans-1,2-Dichloroethene	0.0900	U	1.00	0.0900
1634-04-4	Methyl tert-butyl ether	0.120	U	1.00	0.120
75-09-2	Methylene Chloride	1.02	J B	5.00	0.150
156-59-2	cis-1,2-Dichloroethene	0.0600	U	1.00	0.0600
78-93-3	2-Butanone (MEK)	0.760	U	2.00	0.760
74-97-5	Bromochloromethane	0.180	U	1.00	0.180
56-23-5	Carbon tetrachloride	0.150	U	1.00	0.150
71-43-2	Benzene	0.626	J	1.00	0.0800
107-06-2	1,2-Dichloroethane	0.140	U	1.00	0.140
79-01-6	Trichloroethene	0.180	U	1.00	0.180
71-55-6	1,1,1-Trichloroethane	0.150	U	1.00	0.150
75-34-3	1,1-Dichloroethane	0.110	U	1.00	0.110
78-87-5	1,2-Dichloropropane	0.160	U	1.00	0.160
594-20-7	2,2-Dichloropropane	0.130	U	1.00	0.130
74-95-3	Dibromomethane	0.520	U	1.00	0.520
67-66-3	Chloroform	0.130	U	1.00	0.130
75-27-4	Bromodichloromethane	0.160	U	1.00	0.160
110-75-8	2-Chloroethyl vinyl ether	0.500	U	2.00	0.500
563-58-6	1,1-Dichloropropene	0.210	U	1.00	0.210
10061-01-5	cis-1,3-Dichloropropene	0.180	U	1.00	0.180
108-88-3	Toluene	0.150	U	1.00	0.150
10061-02-6	trans-1,3-Dichloropropene	0.210	U	1.00	0.210
79-00-5	1,1,2-Trichloroethane	0.280	U	1.00	0.280
127-18-4	Tetrachloroethene	0.130	U	1.00	0.130
142-28-9	1,3-Dichloropropane	0.220	U	1.00	0.220
124-48-1	Chlorodibromomethane	0.150	U	1.00	0.150
106-93-4	1,2-Dibromoethane	0.180	U	1.00	0.180
108-90-7	Chlorobenzene	0.120	U	1.00	0.120
630-20-6	1,1,1,2-Tetrachloroethane	0.180	U	1.00	0.180

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-100927-1
 SDG No.: _____
 Client Sample ID: ARTESIA-TB01-10142014 Lab Sample ID: 600-100927-2
 Matrix: Water Lab File ID: A30005.D
 Analysis Method: 8260B Date Collected: 10/14/2014 15:00
 Sample wt/vol: 20 (mL) Date Analyzed: 10/27/2014 12:28
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 147732 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	0.110	U	1.00	0.110
179601-23-1	m-Xylene & p-Xylene	0.170	U	1.00	0.170
1330-20-7	Xylenes, Total	0.260	U	1.00	0.260
95-47-6	o-Xylene	0.120	U	1.00	0.120
100-42-5	Styrene	0.0700	U	1.00	0.0700
75-25-2	Bromoform	0.190	U	1.00	0.190
98-82-8	Isopropylbenzene	0.180	U	1.00	0.180
108-86-1	Bromobenzene	0.190	U	1.00	0.190
96-18-4	1,2,3-Trichloropropane	0.290	U	1.00	0.290
79-34-5	1,1,2,2-Tetrachloroethane	0.220	U	1.00	0.220
103-65-1	N-Propylbenzene	0.150	U	1.00	0.150
95-49-8	2-Chlorotoluene	0.130	U	1.00	0.130
106-43-4	4-Chlorotoluene	0.140	U	1.00	0.140
108-67-8	1,3,5-Trimethylbenzene	0.100	U	1.00	0.100
98-06-6	tert-Butylbenzene	0.0800	U	1.00	0.0800
99-87-6	p-Isopropyltoluene	0.100	U	1.00	0.100
95-63-6	1,2,4-Trimethylbenzene	0.140	U	1.00	0.140
135-98-8	sec-Butylbenzene	0.120	U	1.00	0.120
541-73-1	1,3-Dichlorobenzene	0.130	U	1.00	0.130
106-46-7	1,4-Dichlorobenzene	0.110	U	1.00	0.110
95-50-1	1,2-Dichlorobenzene	0.100	U	1.00	0.100
104-51-8	n-Butylbenzene	0.160	U	1.00	0.160
96-12-8	1,2-Dibromo-3-Chloropropane	0.810	U	1.00	0.810
120-82-1	1,2,4-Trichlorobenzene	0.310	U	1.00	0.310
87-68-3	Hexachlorobutadiene	0.170	U	1.00	0.170
91-20-3	Naphthalene	0.320	U	2.00	0.320
87-61-6	1,2,3-Trichlorobenzene	0.570	U *	1.00	0.570

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	82		67-139
1868-53-7	Dibromofluoromethane	100		62-130
2037-26-5	Toluene-d8 (Surr)	120		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	87		50-134

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-100927-1

SDG No.: _____

Client Sample ID: ARTESIA-MW33-10152014 Lab Sample ID: 600-100927-3

Matrix: Water Lab File ID: A29910.D

Analysis Method: 8260B Date Collected: 10/15/2014 09:15

Sample wt/vol: 20 (mL) Date Analyzed: 10/26/2014 14:39

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 147711 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	0.120	U	1.00	0.120
74-87-3	Chloromethane	0.180	U	2.00	0.180
75-01-4	Vinyl chloride	0.110	U	2.00	0.110
74-83-9	Bromomethane	0.250	U	2.00	0.250
75-00-3	Chloroethane	0.0800	U	2.00	0.0800
75-69-4	Trichlorofluoromethane	0.0800	U	1.00	0.0800
75-35-4	1,1-Dichloroethene	0.190	U	1.00	0.190
156-60-5	trans-1,2-Dichloroethene	0.0900	U	1.00	0.0900
1634-04-4	Methyl tert-butyl ether	0.120	U	1.00	0.120
75-09-2	Methylene Chloride	0.150	U	5.00	0.150
156-59-2	cis-1,2-Dichloroethene	0.0600	U	1.00	0.0600
78-93-3	2-Butanone (MEK)	0.760	U	2.00	0.760
74-97-5	Bromochloromethane	0.180	U	1.00	0.180
56-23-5	Carbon tetrachloride	0.150	U	1.00	0.150
71-43-2	Benzene	0.0800	U	1.00	0.0800
107-06-2	1,2-Dichloroethane	0.140	U	1.00	0.140
79-01-6	Trichloroethene	0.180	U	1.00	0.180
71-55-6	1,1,1-Trichloroethane	0.150	U	1.00	0.150
75-34-3	1,1-Dichloroethane	0.110	U	1.00	0.110
78-87-5	1,2-Dichloropropane	0.160	U	1.00	0.160
594-20-7	2,2-Dichloropropane	0.130	U	1.00	0.130
74-95-3	Dibromomethane	0.520	U	1.00	0.520
67-66-3	Chloroform	0.130	U	1.00	0.130
75-27-4	Bromodichloromethane	0.160	U	1.00	0.160
110-75-8	2-Chloroethyl vinyl ether	0.500	U	2.00	0.500
563-58-6	1,1-Dichloropropene	0.210	U	1.00	0.210
10061-01-5	cis-1,3-Dichloropropene	0.180	U	1.00	0.180
108-88-3	Toluene	0.150	U	1.00	0.150
10061-02-6	trans-1,3-Dichloropropene	0.210	U	1.00	0.210
79-00-5	1,1,2-Trichloroethane	0.280	U	1.00	0.280
127-18-4	Tetrachloroethene	0.130	U	1.00	0.130
142-28-9	1,3-Dichloropropane	0.220	U	1.00	0.220
124-48-1	Chlorodibromomethane	0.150	U	1.00	0.150
106-93-4	1,2-Dibromoethane	0.180	U	1.00	0.180
108-90-7	Chlorobenzene	0.120	U	1.00	0.120
630-20-6	1,1,1,2-Tetrachloroethane	0.180	U	1.00	0.180

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-100927-1

SDG No.: _____

Client Sample ID: ARTESIA-MW33-10152014 Lab Sample ID: 600-100927-3

Matrix: Water Lab File ID: A29910.D

Analysis Method: 8260B Date Collected: 10/15/2014 09:15

Sample wt/vol: 20 (mL) Date Analyzed: 10/26/2014 14:39

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 147711 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	0.110	U	1.00	0.110
179601-23-1	m-Xylene & p-Xylene	0.170	U	1.00	0.170
1330-20-7	Xylenes, Total	0.260	U	1.00	0.260
95-47-6	o-Xylene	0.120	U	1.00	0.120
100-42-5	Styrene	0.0700	U	1.00	0.0700
75-25-2	Bromoform	0.190	U	1.00	0.190
98-82-8	Isopropylbenzene	0.180	U	1.00	0.180
108-86-1	Bromobenzene	0.190	U	1.00	0.190
96-18-4	1,2,3-Trichloropropane	0.290	U	1.00	0.290
79-34-5	1,1,2,2-Tetrachloroethane	0.220	U	1.00	0.220
103-65-1	N-Propylbenzene	0.150	U	1.00	0.150
95-49-8	2-Chlorotoluene	0.130	U	1.00	0.130
106-43-4	4-Chlorotoluene	0.140	U	1.00	0.140
108-67-8	1,3,5-Trimethylbenzene	0.100	U	1.00	0.100
98-06-6	tert-Butylbenzene	0.0800	U	1.00	0.0800
99-87-6	p-Isopropyltoluene	1.82		1.00	0.100
95-63-6	1,2,4-Trimethylbenzene	0.140	U	1.00	0.140
135-98-8	sec-Butylbenzene	0.120	U	1.00	0.120
541-73-1	1,3-Dichlorobenzene	0.130	U	1.00	0.130
106-46-7	1,4-Dichlorobenzene	0.110	U	1.00	0.110
95-50-1	1,2-Dichlorobenzene	0.100	U	1.00	0.100
104-51-8	n-Butylbenzene	0.160	U	1.00	0.160
96-12-8	1,2-Dibromo-3-Chloropropane	0.810	U	1.00	0.810
120-82-1	1,2,4-Trichlorobenzene	0.310	U	1.00	0.310
87-68-3	Hexachlorobutadiene	0.170	U	1.00	0.170
91-20-3	Naphthalene	0.320	U	2.00	0.320
87-61-6	1,2,3-Trichlorobenzene	0.570	U *	1.00	0.570

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	84		67-139
1868-53-7	Dibromofluoromethane	103		62-130
2037-26-5	Toluene-d8 (Surr)	122		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	89		50-134

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-100927-1

SDG No.: _____

Client Sample ID: ARTESIA-MW29-10152014 Lab Sample ID: 600-100927-4

Matrix: Water Lab File ID: A29911.D

Analysis Method: 8260B Date Collected: 10/15/2014 10:55

Sample wt/vol: 20 (mL) Date Analyzed: 10/26/2014 15:08

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 147711 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	0.120	U	1.00	0.120
74-87-3	Chloromethane	0.180	U	2.00	0.180
75-01-4	Vinyl chloride	0.110	U	2.00	0.110
74-83-9	Bromomethane	0.250	U	2.00	0.250
75-00-3	Chloroethane	0.0800	U	2.00	0.0800
75-69-4	Trichlorofluoromethane	0.0800	U	1.00	0.0800
75-35-4	1,1-Dichloroethene	23.8		1.00	0.190
156-60-5	trans-1,2-Dichloroethene	0.0900	U	1.00	0.0900
1634-04-4	Methyl tert-butyl ether	1.21		1.00	0.120
75-09-2	Methylene Chloride	0.150	U	5.00	0.150
156-59-2	cis-1,2-Dichloroethene	0.351	J	1.00	0.0600
78-93-3	2-Butanone (MEK)	0.760	U	2.00	0.760
74-97-5	Bromochloromethane	0.180	U	1.00	0.180
56-23-5	Carbon tetrachloride	0.150	U	1.00	0.150
71-43-2	Benzene	0.0800	U	1.00	0.0800
107-06-2	1,2-Dichloroethane	0.140	U	1.00	0.140
79-01-6	Trichloroethene	5.03		1.00	0.180
71-55-6	1,1,1-Trichloroethane	0.150	U	1.00	0.150
75-34-3	1,1-Dichloroethane	3.70		1.00	0.110
78-87-5	1,2-Dichloropropane	0.160	U	1.00	0.160
594-20-7	2,2-Dichloropropane	0.130	U	1.00	0.130
74-95-3	Dibromomethane	0.520	U	1.00	0.520
67-66-3	Chloroform	0.130	U	1.00	0.130
75-27-4	Bromodichloromethane	0.160	U	1.00	0.160
110-75-8	2-Chloroethyl vinyl ether	0.500	U	2.00	0.500
563-58-6	1,1-Dichloropropene	0.210	U	1.00	0.210
10061-01-5	cis-1,3-Dichloropropene	0.180	U	1.00	0.180
108-88-3	Toluene	0.150	U	1.00	0.150
10061-02-6	trans-1,3-Dichloropropene	0.210	U	1.00	0.210
79-00-5	1,1,2-Trichloroethane	0.280	U	1.00	0.280
127-18-4	Tetrachloroethene	8.84		1.00	0.130
142-28-9	1,3-Dichloropropane	0.220	U	1.00	0.220
124-48-1	Chlorodibromomethane	0.150	U	1.00	0.150
106-93-4	1,2-Dibromoethane	0.180	U	1.00	0.180
108-90-7	Chlorobenzene	0.120	U	1.00	0.120
630-20-6	1,1,1,2-Tetrachloroethane	0.180	U	1.00	0.180

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-100927-1

SDG No.: _____

Client Sample ID: ARTESIA-MW29-10152014 Lab Sample ID: 600-100927-4

Matrix: Water Lab File ID: A29911.D

Analysis Method: 8260B Date Collected: 10/15/2014 10:55

Sample wt/vol: 20 (mL) Date Analyzed: 10/26/2014 15:08

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 147711 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	0.110	U	1.00	0.110
179601-23-1	m-Xylene & p-Xylene	0.170	U	1.00	0.170
1330-20-7	Xylenes, Total	0.260	U	1.00	0.260
95-47-6	o-Xylene	0.120	U	1.00	0.120
100-42-5	Styrene	0.0700	U	1.00	0.0700
75-25-2	Bromoform	0.190	U	1.00	0.190
98-82-8	Isopropylbenzene	0.180	U	1.00	0.180
108-86-1	Bromobenzene	0.190	U	1.00	0.190
96-18-4	1,2,3-Trichloropropane	0.290	U	1.00	0.290
79-34-5	1,1,2,2-Tetrachloroethane	0.220	U	1.00	0.220
103-65-1	N-Propylbenzene	0.150	U	1.00	0.150
95-49-8	2-Chlorotoluene	0.130	U	1.00	0.130
106-43-4	4-Chlorotoluene	0.140	U	1.00	0.140
108-67-8	1,3,5-Trimethylbenzene	0.100	U	1.00	0.100
98-06-6	tert-Butylbenzene	0.0800	U	1.00	0.0800
99-87-6	p-Isopropyltoluene	1.82		1.00	0.100
95-63-6	1,2,4-Trimethylbenzene	0.140	U	1.00	0.140
135-98-8	sec-Butylbenzene	0.120	U	1.00	0.120
541-73-1	1,3-Dichlorobenzene	0.130	U	1.00	0.130
106-46-7	1,4-Dichlorobenzene	0.110	U	1.00	0.110
95-50-1	1,2-Dichlorobenzene	0.100	U	1.00	0.100
104-51-8	n-Butylbenzene	0.160	U	1.00	0.160
96-12-8	1,2-Dibromo-3-Chloropropane	0.810	U	1.00	0.810
120-82-1	1,2,4-Trichlorobenzene	0.310	U	1.00	0.310
87-68-3	Hexachlorobutadiene	0.170	U	1.00	0.170
91-20-3	Naphthalene	0.320	U	2.00	0.320
87-61-6	1,2,3-Trichlorobenzene	0.570	U *	1.00	0.570

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	77		67-139
1868-53-7	Dibromofluoromethane	105		62-130
2037-26-5	Toluene-d8 (Surr)	119		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	92		50-134

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-100927-1

SDG No.: _____

Client Sample ID: ARTESIA-MW30-10152014 Lab Sample ID: 600-100927-5

Matrix: Water Lab File ID: A29912.D

Analysis Method: 8260B Date Collected: 10/15/2014 11:35

Sample wt/vol: 20 (mL) Date Analyzed: 10/26/2014 15:36

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 147711 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	0.120	U	1.00	0.120
74-87-3	Chloromethane	0.180	U	2.00	0.180
75-01-4	Vinyl chloride	0.110	U	2.00	0.110
74-83-9	Bromomethane	0.250	U	2.00	0.250
75-00-3	Chloroethane	0.0800	U	2.00	0.0800
75-69-4	Trichlorofluoromethane	0.0800	U	1.00	0.0800
75-35-4	1,1-Dichloroethene	22.1		1.00	0.190
156-60-5	trans-1,2-Dichloroethene	0.0900	U	1.00	0.0900
1634-04-4	Methyl tert-butyl ether	0.120	U	1.00	0.120
75-09-2	Methylene Chloride	0.150	U	5.00	0.150
156-59-2	cis-1,2-Dichloroethene	0.180	J	1.00	0.0600
78-93-3	2-Butanone (MEK)	0.760	U	2.00	0.760
74-97-5	Bromochloromethane	0.180	U	1.00	0.180
56-23-5	Carbon tetrachloride	0.150	U	1.00	0.150
71-43-2	Benzene	0.0800	U	1.00	0.0800
107-06-2	1,2-Dichloroethane	0.164	J	1.00	0.140
79-01-6	Trichloroethene	5.80		1.00	0.180
71-55-6	1,1,1-Trichloroethane	0.150	U	1.00	0.150
75-34-3	1,1-Dichloroethane	6.06		1.00	0.110
78-87-5	1,2-Dichloropropane	0.160	U	1.00	0.160
594-20-7	2,2-Dichloropropane	0.130	U	1.00	0.130
74-95-3	Dibromomethane	0.520	U	1.00	0.520
67-66-3	Chloroform	0.130	U	1.00	0.130
75-27-4	Bromodichloromethane	0.160	U	1.00	0.160
110-75-8	2-Chloroethyl vinyl ether	0.500	U	2.00	0.500
563-58-6	1,1-Dichloropropene	0.210	U	1.00	0.210
10061-01-5	cis-1,3-Dichloropropene	0.180	U	1.00	0.180
108-88-3	Toluene	0.150	U	1.00	0.150
10061-02-6	trans-1,3-Dichloropropene	0.210	U	1.00	0.210
79-00-5	1,1,2-Trichloroethane	0.280	U	1.00	0.280
127-18-4	Tetrachloroethene	20.5		1.00	0.130
142-28-9	1,3-Dichloropropane	0.220	U	1.00	0.220
124-48-1	Chlorodibromomethane	0.150	U	1.00	0.150
106-93-4	1,2-Dibromoethane	0.180	U	1.00	0.180
108-90-7	Chlorobenzene	0.120	U	1.00	0.120
630-20-6	1,1,1,2-Tetrachloroethane	0.180	U	1.00	0.180

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-100927-1

SDG No.: _____

Client Sample ID: ARTESIA-MW30-10152014 Lab Sample ID: 600-100927-5

Matrix: Water Lab File ID: A29912.D

Analysis Method: 8260B Date Collected: 10/15/2014 11:35

Sample wt/vol: 20 (mL) Date Analyzed: 10/26/2014 15:36

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 147711 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	0.110	U	1.00	0.110
179601-23-1	m-Xylene & p-Xylene	0.170	U	1.00	0.170
1330-20-7	Xylenes, Total	0.260	U	1.00	0.260
95-47-6	o-Xylene	0.120	U	1.00	0.120
100-42-5	Styrene	0.0700	U	1.00	0.0700
75-25-2	Bromoform	0.190	U	1.00	0.190
98-82-8	Isopropylbenzene	0.180	U	1.00	0.180
108-86-1	Bromobenzene	0.190	U	1.00	0.190
96-18-4	1,2,3-Trichloropropane	0.290	U	1.00	0.290
79-34-5	1,1,2,2-Tetrachloroethane	0.220	U	1.00	0.220
103-65-1	N-Propylbenzene	0.150	U	1.00	0.150
95-49-8	2-Chlorotoluene	0.130	U	1.00	0.130
106-43-4	4-Chlorotoluene	0.140	U	1.00	0.140
108-67-8	1,3,5-Trimethylbenzene	0.100	U	1.00	0.100
98-06-6	tert-Butylbenzene	0.0800	U	1.00	0.0800
99-87-6	p-Isopropyltoluene	0.100	U	1.00	0.100
95-63-6	1,2,4-Trimethylbenzene	0.140	U	1.00	0.140
135-98-8	sec-Butylbenzene	0.120	U	1.00	0.120
541-73-1	1,3-Dichlorobenzene	0.130	U	1.00	0.130
106-46-7	1,4-Dichlorobenzene	0.110	U	1.00	0.110
95-50-1	1,2-Dichlorobenzene	0.100	U	1.00	0.100
104-51-8	n-Butylbenzene	0.160	U	1.00	0.160
96-12-8	1,2-Dibromo-3-Chloropropane	0.810	U	1.00	0.810
120-82-1	1,2,4-Trichlorobenzene	0.310	U	1.00	0.310
87-68-3	Hexachlorobutadiene	0.170	U	1.00	0.170
91-20-3	Naphthalene	0.320	U	2.00	0.320
87-61-6	1,2,3-Trichlorobenzene	0.570	U *	1.00	0.570

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	81		67-139
1868-53-7	Dibromofluoromethane	107		62-130
2037-26-5	Toluene-d8 (Surr)	116		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	92		50-134

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-100927-1

SDG No.: _____

Client Sample ID: ARTESIA-MW28-10152014 Lab Sample ID: 600-100927-6

Matrix: Water Lab File ID: A29913.D

Analysis Method: 8260B Date Collected: 10/15/2014 12:10

Sample wt/vol: 20 (mL) Date Analyzed: 10/26/2014 16:04

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 147711 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	0.120	U	1.00	0.120
74-87-3	Chloromethane	0.180	U	2.00	0.180
75-01-4	Vinyl chloride	0.110	U	2.00	0.110
74-83-9	Bromomethane	0.250	U	2.00	0.250
75-00-3	Chloroethane	0.0800	U	2.00	0.0800
75-69-4	Trichlorofluoromethane	0.0800	U	1.00	0.0800
75-35-4	1,1-Dichloroethene	36.1		1.00	0.190
156-60-5	trans-1,2-Dichloroethene	0.0900	U	1.00	0.0900
1634-04-4	Methyl tert-butyl ether	1.29		1.00	0.120
75-09-2	Methylene Chloride	0.150	U	5.00	0.150
156-59-2	cis-1,2-Dichloroethene	0.432	J	1.00	0.0600
78-93-3	2-Butanone (MEK)	0.760	U	2.00	0.760
74-97-5	Bromochloromethane	0.180	U	1.00	0.180
56-23-5	Carbon tetrachloride	0.150	U	1.00	0.150
71-43-2	Benzene	0.103	J	1.00	0.0800
107-06-2	1,2-Dichloroethane	0.196	J	1.00	0.140
79-01-6	Trichloroethene	8.73		1.00	0.180
71-55-6	1,1,1-Trichloroethane	0.150	U	1.00	0.150
75-34-3	1,1-Dichloroethane	8.89		1.00	0.110
78-87-5	1,2-Dichloropropane	0.160	U	1.00	0.160
594-20-7	2,2-Dichloropropane	0.130	U	1.00	0.130
74-95-3	Dibromomethane	0.520	U	1.00	0.520
67-66-3	Chloroform	0.130	U	1.00	0.130
75-27-4	Bromodichloromethane	0.160	U	1.00	0.160
110-75-8	2-Chloroethyl vinyl ether	0.500	U	2.00	0.500
563-58-6	1,1-Dichloropropene	0.210	U	1.00	0.210
10061-01-5	cis-1,3-Dichloropropene	0.180	U	1.00	0.180
108-88-3	Toluene	0.150	U	1.00	0.150
10061-02-6	trans-1,3-Dichloropropene	0.210	U	1.00	0.210
79-00-5	1,1,2-Trichloroethane	0.280	U	1.00	0.280
127-18-4	Tetrachloroethene	22.4		1.00	0.130
142-28-9	1,3-Dichloropropane	0.220	U	1.00	0.220
124-48-1	Chlorodibromomethane	0.150	U	1.00	0.150
106-93-4	1,2-Dibromoethane	0.180	U	1.00	0.180
108-90-7	Chlorobenzene	0.120	U	1.00	0.120
630-20-6	1,1,1,2-Tetrachloroethane	0.180	U	1.00	0.180

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-100927-1

SDG No.: _____

Client Sample ID: ARTESIA-MW28-10152014 Lab Sample ID: 600-100927-6

Matrix: Water Lab File ID: A29913.D

Analysis Method: 8260B Date Collected: 10/15/2014 12:10

Sample wt/vol: 20 (mL) Date Analyzed: 10/26/2014 16:04

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 147711 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	0.110	U	1.00	0.110
179601-23-1	m-Xylene & p-Xylene	0.170	U	1.00	0.170
1330-20-7	Xylenes, Total	0.260	U	1.00	0.260
95-47-6	o-Xylene	0.120	U	1.00	0.120
100-42-5	Styrene	0.0700	U	1.00	0.0700
75-25-2	Bromoform	0.190	U	1.00	0.190
98-82-8	Isopropylbenzene	0.180	U	1.00	0.180
108-86-1	Bromobenzene	0.190	U	1.00	0.190
96-18-4	1,2,3-Trichloropropane	0.290	U	1.00	0.290
79-34-5	1,1,2,2-Tetrachloroethane	0.220	U	1.00	0.220
103-65-1	N-Propylbenzene	0.150	U	1.00	0.150
95-49-8	2-Chlorotoluene	0.130	U	1.00	0.130
106-43-4	4-Chlorotoluene	0.140	U	1.00	0.140
108-67-8	1,3,5-Trimethylbenzene	0.100	U	1.00	0.100
98-06-6	tert-Butylbenzene	0.0800	U	1.00	0.0800
99-87-6	p-Isopropyltoluene	0.100	U	1.00	0.100
95-63-6	1,2,4-Trimethylbenzene	0.140	U	1.00	0.140
135-98-8	sec-Butylbenzene	0.120	U	1.00	0.120
541-73-1	1,3-Dichlorobenzene	0.130	U	1.00	0.130
106-46-7	1,4-Dichlorobenzene	0.110	U	1.00	0.110
95-50-1	1,2-Dichlorobenzene	0.100	U	1.00	0.100
104-51-8	n-Butylbenzene	0.160	U	1.00	0.160
96-12-8	1,2-Dibromo-3-Chloropropane	0.810	U	1.00	0.810
120-82-1	1,2,4-Trichlorobenzene	0.310	U	1.00	0.310
87-68-3	Hexachlorobutadiene	0.170	U	1.00	0.170
91-20-3	Naphthalene	0.320	U	2.00	0.320
87-61-6	1,2,3-Trichlorobenzene	0.570	U *	1.00	0.570

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	85		67-139
1868-53-7	Dibromofluoromethane	104		62-130
2037-26-5	Toluene-d8 (Surr)	117		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	89		50-134

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-100927-1

SDG No.: _____

Client Sample ID: ARTESIA-DUP02-10152014 Lab Sample ID: 600-100927-7

Matrix: Water Lab File ID: A29914.D

Analysis Method: 8260B Date Collected: 10/15/2014 12:45

Sample wt/vol: 20 (mL) Date Analyzed: 10/26/2014 16:33

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 147711 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	0.120	U	1.00	0.120
74-87-3	Chloromethane	0.180	U	2.00	0.180
75-01-4	Vinyl chloride	0.110	U	2.00	0.110
74-83-9	Bromomethane	0.250	U	2.00	0.250
75-00-3	Chloroethane	0.0800	U	2.00	0.0800
75-69-4	Trichlorofluoromethane	0.0800	U	1.00	0.0800
75-35-4	1,1-Dichloroethene	37.5		1.00	0.190
156-60-5	trans-1,2-Dichloroethene	0.0900	U	1.00	0.0900
1634-04-4	Methyl tert-butyl ether	1.28		1.00	0.120
75-09-2	Methylene Chloride	0.150	U	5.00	0.150
156-59-2	cis-1,2-Dichloroethene	0.521	J	1.00	0.0600
78-93-3	2-Butanone (MEK)	0.760	U	2.00	0.760
74-97-5	Bromochloromethane	0.180	U	1.00	0.180
56-23-5	Carbon tetrachloride	0.150	U	1.00	0.150
71-43-2	Benzene	0.0800	U	1.00	0.0800
107-06-2	1,2-Dichloroethane	0.140	U	1.00	0.140
79-01-6	Trichloroethene	9.07		1.00	0.180
71-55-6	1,1,1-Trichloroethane	0.150	U	1.00	0.150
75-34-3	1,1-Dichloroethane	9.07		1.00	0.110
78-87-5	1,2-Dichloropropane	0.160	U	1.00	0.160
594-20-7	2,2-Dichloropropane	0.130	U	1.00	0.130
74-95-3	Dibromomethane	0.520	U	1.00	0.520
67-66-3	Chloroform	0.130	U	1.00	0.130
75-27-4	Bromodichloromethane	0.160	U	1.00	0.160
110-75-8	2-Chloroethyl vinyl ether	0.500	U	2.00	0.500
563-58-6	1,1-Dichloropropene	0.210	U	1.00	0.210
10061-01-5	cis-1,3-Dichloropropene	0.180	U	1.00	0.180
108-88-3	Toluene	0.150	U	1.00	0.150
10061-02-6	trans-1,3-Dichloropropene	0.210	U	1.00	0.210
79-00-5	1,1,2-Trichloroethane	0.280	U	1.00	0.280
127-18-4	Tetrachloroethene	23.6		1.00	0.130
142-28-9	1,3-Dichloropropane	0.220	U	1.00	0.220
124-48-1	Chlorodibromomethane	0.150	U	1.00	0.150
106-93-4	1,2-Dibromoethane	0.180	U	1.00	0.180
108-90-7	Chlorobenzene	0.120	U	1.00	0.120
630-20-6	1,1,1,2-Tetrachloroethane	0.180	U	1.00	0.180

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-100927-1

SDG No.: _____

Client Sample ID: ARTESIA-DUP02-10152014 Lab Sample ID: 600-100927-7

Matrix: Water Lab File ID: A29914.D

Analysis Method: 8260B Date Collected: 10/15/2014 12:45

Sample wt/vol: 20 (mL) Date Analyzed: 10/26/2014 16:33

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 147711 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	0.110	U	1.00	0.110
179601-23-1	m-Xylene & p-Xylene	0.170	U	1.00	0.170
1330-20-7	Xylenes, Total	0.260	U	1.00	0.260
95-47-6	o-Xylene	0.120	U	1.00	0.120
100-42-5	Styrene	0.0700	U	1.00	0.0700
75-25-2	Bromoform	0.190	U	1.00	0.190
98-82-8	Isopropylbenzene	0.180	U	1.00	0.180
108-86-1	Bromobenzene	0.190	U	1.00	0.190
96-18-4	1,2,3-Trichloropropane	0.290	U	1.00	0.290
79-34-5	1,1,2,2-Tetrachloroethane	0.220	U	1.00	0.220
103-65-1	N-Propylbenzene	0.150	U	1.00	0.150
95-49-8	2-Chlorotoluene	0.130	U	1.00	0.130
106-43-4	4-Chlorotoluene	0.140	U	1.00	0.140
108-67-8	1,3,5-Trimethylbenzene	0.100	U	1.00	0.100
98-06-6	tert-Butylbenzene	0.0800	U	1.00	0.0800
99-87-6	p-Isopropyltoluene	0.100	U	1.00	0.100
95-63-6	1,2,4-Trimethylbenzene	0.140	U	1.00	0.140
135-98-8	sec-Butylbenzene	0.120	U	1.00	0.120
541-73-1	1,3-Dichlorobenzene	0.130	U	1.00	0.130
106-46-7	1,4-Dichlorobenzene	0.110	U	1.00	0.110
95-50-1	1,2-Dichlorobenzene	0.100	U	1.00	0.100
104-51-8	n-Butylbenzene	0.160	U	1.00	0.160
96-12-8	1,2-Dibromo-3-Chloropropane	0.810	U	1.00	0.810
120-82-1	1,2,4-Trichlorobenzene	0.310	U	1.00	0.310
87-68-3	Hexachlorobutadiene	0.170	U	1.00	0.170
91-20-3	Naphthalene	0.320	U	2.00	0.320
87-61-6	1,2,3-Trichlorobenzene	0.570	U *	1.00	0.570

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	84		67-139
1868-53-7	Dibromofluoromethane	104		62-130
2037-26-5	Toluene-d8 (Surr)	115		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	90		50-134

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-100927-1

SDG No.: _____

Client Sample ID: ARTESIA-MW32-10152014 Lab Sample ID: 600-100927-8

Matrix: Water Lab File ID: A29915.D

Analysis Method: 8260B Date Collected: 10/15/2014 14:20

Sample wt/vol: 20 (mL) Date Analyzed: 10/26/2014 17:02

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 147711 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	0.120	U	1.00	0.120
74-87-3	Chloromethane	0.180	U	2.00	0.180
75-01-4	Vinyl chloride	0.110	U	2.00	0.110
74-83-9	Bromomethane	0.250	U	2.00	0.250
75-00-3	Chloroethane	0.0800	U	2.00	0.0800
75-69-4	Trichlorofluoromethane	0.0800	U	1.00	0.0800
75-35-4	1,1-Dichloroethene	2.96		1.00	0.190
156-60-5	trans-1,2-Dichloroethene	0.0900	U	1.00	0.0900
1634-04-4	Methyl tert-butyl ether	0.120	U	1.00	0.120
75-09-2	Methylene Chloride	0.150	U	5.00	0.150
156-59-2	cis-1,2-Dichloroethene	0.0600	U	1.00	0.0600
78-93-3	2-Butanone (MEK)	0.760	U	2.00	0.760
74-97-5	Bromochloromethane	0.180	U	1.00	0.180
56-23-5	Carbon tetrachloride	0.150	U	1.00	0.150
71-43-2	Benzene	0.0800	U	1.00	0.0800
107-06-2	1,2-Dichloroethane	0.140	U	1.00	0.140
79-01-6	Trichloroethene	0.887	J	1.00	0.180
71-55-6	1,1,1-Trichloroethane	0.150	U	1.00	0.150
75-34-3	1,1-Dichloroethane	0.603	J	1.00	0.110
78-87-5	1,2-Dichloropropane	0.160	U	1.00	0.160
594-20-7	2,2-Dichloropropane	0.130	U	1.00	0.130
74-95-3	Dibromomethane	0.520	U	1.00	0.520
67-66-3	Chloroform	0.130	U	1.00	0.130
75-27-4	Bromodichloromethane	0.160	U	1.00	0.160
110-75-8	2-Chloroethyl vinyl ether	0.500	U	2.00	0.500
563-58-6	1,1-Dichloropropene	0.210	U	1.00	0.210
10061-01-5	cis-1,3-Dichloropropene	0.180	U	1.00	0.180
108-88-3	Toluene	0.150	U	1.00	0.150
10061-02-6	trans-1,3-Dichloropropene	0.210	U	1.00	0.210
79-00-5	1,1,2-Trichloroethane	0.280	U	1.00	0.280
127-18-4	Tetrachloroethene	3.41		1.00	0.130
142-28-9	1,3-Dichloropropane	0.220	U	1.00	0.220
124-48-1	Chlorodibromomethane	0.150	U	1.00	0.150
106-93-4	1,2-Dibromoethane	0.180	U	1.00	0.180
108-90-7	Chlorobenzene	0.120	U	1.00	0.120
630-20-6	1,1,1,2-Tetrachloroethane	0.180	U	1.00	0.180

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-100927-1

SDG No.: _____

Client Sample ID: ARTESIA-MW32-10152014 Lab Sample ID: 600-100927-8

Matrix: Water Lab File ID: A29915.D

Analysis Method: 8260B Date Collected: 10/15/2014 14:20

Sample wt/vol: 20 (mL) Date Analyzed: 10/26/2014 17:02

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 147711 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	0.110	U	1.00	0.110
179601-23-1	m-Xylene & p-Xylene	0.170	U	1.00	0.170
1330-20-7	Xylenes, Total	0.260	U	1.00	0.260
95-47-6	o-Xylene	0.120	U	1.00	0.120
100-42-5	Styrene	0.0700	U	1.00	0.0700
75-25-2	Bromoform	0.190	U	1.00	0.190
98-82-8	Isopropylbenzene	0.180	U	1.00	0.180
108-86-1	Bromobenzene	0.190	U	1.00	0.190
96-18-4	1,2,3-Trichloropropane	0.290	U	1.00	0.290
79-34-5	1,1,2,2-Tetrachloroethane	0.220	U	1.00	0.220
103-65-1	N-Propylbenzene	0.150	U	1.00	0.150
95-49-8	2-Chlorotoluene	0.130	U	1.00	0.130
106-43-4	4-Chlorotoluene	0.140	U	1.00	0.140
108-67-8	1,3,5-Trimethylbenzene	0.100	U	1.00	0.100
98-06-6	tert-Butylbenzene	0.0800	U	1.00	0.0800
99-87-6	p-Isopropyltoluene	0.100	U	1.00	0.100
95-63-6	1,2,4-Trimethylbenzene	0.140	U	1.00	0.140
135-98-8	sec-Butylbenzene	0.120	U	1.00	0.120
541-73-1	1,3-Dichlorobenzene	0.130	U	1.00	0.130
106-46-7	1,4-Dichlorobenzene	0.110	U	1.00	0.110
95-50-1	1,2-Dichlorobenzene	0.100	U	1.00	0.100
104-51-8	n-Butylbenzene	0.160	U	1.00	0.160
96-12-8	1,2-Dibromo-3-Chloropropane	0.810	U	1.00	0.810
120-82-1	1,2,4-Trichlorobenzene	0.310	U	1.00	0.310
87-68-3	Hexachlorobutadiene	0.170	U	1.00	0.170
91-20-3	Naphthalene	0.320	U	2.00	0.320
87-61-6	1,2,3-Trichlorobenzene	0.570	U *	1.00	0.570

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	77		67-139
1868-53-7	Dibromofluoromethane	103		62-130
2037-26-5	Toluene-d8 (Surr)	119		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	90		50-134

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-100927-1

SDG No.: _____

Client Sample ID: ARTESIA-MW34-10152014 Lab Sample ID: 600-100927-9

Matrix: Water Lab File ID: A30007.D

Analysis Method: 8260B Date Collected: 10/15/2014 15:15

Sample wt/vol: 20 (mL) Date Analyzed: 10/27/2014 13:25

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 147732 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	0.120	U	1.00	0.120
74-87-3	Chloromethane	0.180	U	2.00	0.180
75-01-4	Vinyl chloride	0.110	U	2.00	0.110
74-83-9	Bromomethane	0.250	U	2.00	0.250
75-00-3	Chloroethane	0.0800	U	2.00	0.0800
75-69-4	Trichlorofluoromethane	0.0800	U	1.00	0.0800
75-35-4	1,1-Dichloroethene	13.1		1.00	0.190
156-60-5	trans-1,2-Dichloroethene	0.0900	U	1.00	0.0900
1634-04-4	Methyl tert-butyl ether	0.120	U	1.00	0.120
75-09-2	Methylene Chloride	0.150	U	5.00	0.150
156-59-2	cis-1,2-Dichloroethene	0.146	J	1.00	0.0600
78-93-3	2-Butanone (MEK)	0.760	U	2.00	0.760
74-97-5	Bromochloromethane	0.180	U	1.00	0.180
56-23-5	Carbon tetrachloride	0.150	U	1.00	0.150
71-43-2	Benzene	0.0800	U	1.00	0.0800
107-06-2	1,2-Dichloroethane	0.140	U	1.00	0.140
79-01-6	Trichloroethene	2.66		1.00	0.180
71-55-6	1,1,1-Trichloroethane	0.150	U	1.00	0.150
75-34-3	1,1-Dichloroethane	4.06		1.00	0.110
78-87-5	1,2-Dichloropropane	0.160	U	1.00	0.160
594-20-7	2,2-Dichloropropane	0.130	U	1.00	0.130
74-95-3	Dibromomethane	0.520	U	1.00	0.520
67-66-3	Chloroform	0.130	U	1.00	0.130
75-27-4	Bromodichloromethane	0.160	U	1.00	0.160
110-75-8	2-Chloroethyl vinyl ether	0.500	U	2.00	0.500
563-58-6	1,1-Dichloropropene	0.210	U	1.00	0.210
10061-01-5	cis-1,3-Dichloropropene	0.180	U	1.00	0.180
108-88-3	Toluene	0.150	U	1.00	0.150
10061-02-6	trans-1,3-Dichloropropene	0.210	U	1.00	0.210
79-00-5	1,1,2-Trichloroethane	0.280	U	1.00	0.280
127-18-4	Tetrachloroethene	7.52		1.00	0.130
142-28-9	1,3-Dichloropropane	0.220	U	1.00	0.220
124-48-1	Chlorodibromomethane	0.150	U	1.00	0.150
106-93-4	1,2-Dibromoethane	0.180	U	1.00	0.180
108-90-7	Chlorobenzene	0.120	U	1.00	0.120
630-20-6	1,1,1,2-Tetrachloroethane	0.180	U	1.00	0.180

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-100927-1

SDG No.: _____

Client Sample ID: ARTESIA-MW34-10152014 Lab Sample ID: 600-100927-9

Matrix: Water Lab File ID: A30007.D

Analysis Method: 8260B Date Collected: 10/15/2014 15:15

Sample wt/vol: 20 (mL) Date Analyzed: 10/27/2014 13:25

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 147732 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	0.110	U	1.00	0.110
179601-23-1	m-Xylene & p-Xylene	0.170	U	1.00	0.170
1330-20-7	Xylenes, Total	0.260	U	1.00	0.260
95-47-6	o-Xylene	0.120	U	1.00	0.120
100-42-5	Styrene	0.0700	U	1.00	0.0700
75-25-2	Bromoform	0.190	U	1.00	0.190
98-82-8	Isopropylbenzene	0.180	U	1.00	0.180
108-86-1	Bromobenzene	0.190	U	1.00	0.190
96-18-4	1,2,3-Trichloropropane	0.290	U	1.00	0.290
79-34-5	1,1,2,2-Tetrachloroethane	0.220	U	1.00	0.220
103-65-1	N-Propylbenzene	0.150	U	1.00	0.150
95-49-8	2-Chlorotoluene	0.130	U	1.00	0.130
106-43-4	4-Chlorotoluene	0.140	U	1.00	0.140
108-67-8	1,3,5-Trimethylbenzene	0.100	U	1.00	0.100
98-06-6	tert-Butylbenzene	0.0800	U	1.00	0.0800
99-87-6	p-Isopropyltoluene	0.100	U	1.00	0.100
95-63-6	1,2,4-Trimethylbenzene	0.140	U	1.00	0.140
135-98-8	sec-Butylbenzene	0.120	U	1.00	0.120
541-73-1	1,3-Dichlorobenzene	0.130	U	1.00	0.130
106-46-7	1,4-Dichlorobenzene	0.110	U	1.00	0.110
95-50-1	1,2-Dichlorobenzene	0.100	U	1.00	0.100
104-51-8	n-Butylbenzene	0.160	U	1.00	0.160
96-12-8	1,2-Dibromo-3-Chloropropane	0.810	U	1.00	0.810
120-82-1	1,2,4-Trichlorobenzene	0.310	U	1.00	0.310
87-68-3	Hexachlorobutadiene	0.170	U	1.00	0.170
91-20-3	Naphthalene	0.320	U	2.00	0.320
87-61-6	1,2,3-Trichlorobenzene	0.570	U *	1.00	0.570

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	81		67-139
1868-53-7	Dibromofluoromethane	106		62-130
2037-26-5	Toluene-d8 (Surr)	116		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		50-134

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-100927-1

SDG No.: _____

Client Sample ID: ARTESIA-MW22-10162014 Lab Sample ID: 600-100927-10

Matrix: Water Lab File ID: A29916.D

Analysis Method: 8260B Date Collected: 10/16/2014 10:20

Sample wt/vol: 20 (mL) Date Analyzed: 10/26/2014 17:30

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 147711 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	0.120	U	1.00	0.120
74-87-3	Chloromethane	0.180	U	2.00	0.180
75-01-4	Vinyl chloride	0.110	U	2.00	0.110
74-83-9	Bromomethane	0.250	U	2.00	0.250
75-00-3	Chloroethane	0.0800	U	2.00	0.0800
75-69-4	Trichlorofluoromethane	0.0800	U	1.00	0.0800
75-35-4	1,1-Dichloroethene	4.89		1.00	0.190
156-60-5	trans-1,2-Dichloroethene	0.0900	U	1.00	0.0900
1634-04-4	Methyl tert-butyl ether	0.120	U	1.00	0.120
75-09-2	Methylene Chloride	0.150	U	5.00	0.150
156-59-2	cis-1,2-Dichloroethene	0.0671	J	1.00	0.0600
78-93-3	2-Butanone (MEK)	0.760	U	2.00	0.760
74-97-5	Bromochloromethane	0.180	U	1.00	0.180
56-23-5	Carbon tetrachloride	0.150	U	1.00	0.150
71-43-2	Benzene	0.0800	U	1.00	0.0800
107-06-2	1,2-Dichloroethane	0.140	U	1.00	0.140
79-01-6	Trichloroethene	1.35		1.00	0.180
71-55-6	1,1,1-Trichloroethane	0.150	U	1.00	0.150
75-34-3	1,1-Dichloroethane	1.87		1.00	0.110
78-87-5	1,2-Dichloropropane	0.160	U	1.00	0.160
594-20-7	2,2-Dichloropropane	0.130	U	1.00	0.130
74-95-3	Dibromomethane	0.520	U	1.00	0.520
67-66-3	Chloroform	0.130	U	1.00	0.130
75-27-4	Bromodichloromethane	0.160	U	1.00	0.160
110-75-8	2-Chloroethyl vinyl ether	0.500	U	2.00	0.500
563-58-6	1,1-Dichloropropene	0.210	U	1.00	0.210
10061-01-5	cis-1,3-Dichloropropene	0.180	U	1.00	0.180
108-88-3	Toluene	0.150	U	1.00	0.150
10061-02-6	trans-1,3-Dichloropropene	0.210	U	1.00	0.210
79-00-5	1,1,2-Trichloroethane	0.280	U	1.00	0.280
127-18-4	Tetrachloroethene	6.68		1.00	0.130
142-28-9	1,3-Dichloropropane	0.220	U	1.00	0.220
124-48-1	Chlorodibromomethane	0.150	U	1.00	0.150
106-93-4	1,2-Dibromoethane	0.180	U	1.00	0.180
108-90-7	Chlorobenzene	0.120	U	1.00	0.120
630-20-6	1,1,1,2-Tetrachloroethane	0.180	U	1.00	0.180

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-100927-1

SDG No.: _____

Client Sample ID: ARTESIA-MW22-10162014 Lab Sample ID: 600-100927-10

Matrix: Water Lab File ID: A29916.D

Analysis Method: 8260B Date Collected: 10/16/2014 10:20

Sample wt/vol: 20 (mL) Date Analyzed: 10/26/2014 17:30

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 147711 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	0.110	U	1.00	0.110
179601-23-1	m-Xylene & p-Xylene	0.170	U	1.00	0.170
1330-20-7	Xylenes, Total	0.260	U	1.00	0.260
95-47-6	o-Xylene	0.120	U	1.00	0.120
100-42-5	Styrene	0.0700	U	1.00	0.0700
75-25-2	Bromoform	0.190	U	1.00	0.190
98-82-8	Isopropylbenzene	0.180	U	1.00	0.180
108-86-1	Bromobenzene	0.190	U	1.00	0.190
96-18-4	1,2,3-Trichloropropane	0.290	U	1.00	0.290
79-34-5	1,1,2,2-Tetrachloroethane	0.220	U	1.00	0.220
103-65-1	N-Propylbenzene	0.150	U	1.00	0.150
95-49-8	2-Chlorotoluene	0.130	U	1.00	0.130
106-43-4	4-Chlorotoluene	0.140	U	1.00	0.140
108-67-8	1,3,5-Trimethylbenzene	0.100	U	1.00	0.100
98-06-6	tert-Butylbenzene	0.0800	U	1.00	0.0800
99-87-6	p-Isopropyltoluene	0.100	U	1.00	0.100
95-63-6	1,2,4-Trimethylbenzene	0.140	U	1.00	0.140
135-98-8	sec-Butylbenzene	0.120	U	1.00	0.120
541-73-1	1,3-Dichlorobenzene	0.130	U	1.00	0.130
106-46-7	1,4-Dichlorobenzene	0.110	U	1.00	0.110
95-50-1	1,2-Dichlorobenzene	0.100	U	1.00	0.100
104-51-8	n-Butylbenzene	0.160	U	1.00	0.160
96-12-8	1,2-Dibromo-3-Chloropropane	0.810	U	1.00	0.810
120-82-1	1,2,4-Trichlorobenzene	0.310	U	1.00	0.310
87-68-3	Hexachlorobutadiene	0.170	U	1.00	0.170
91-20-3	Naphthalene	0.320	U	2.00	0.320
87-61-6	1,2,3-Trichlorobenzene	0.570	U *	1.00	0.570

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	88		67-139
1868-53-7	Dibromofluoromethane	107		62-130
2037-26-5	Toluene-d8 (Surr)	124		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	91		50-134

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-100927-1

SDG No.: _____

Client Sample ID: ARTESIA-MW31-10162014 Lab Sample ID: 600-100927-11

Matrix: Water Lab File ID: A29924.D

Analysis Method: 8260B Date Collected: 10/16/2014 11:10

Sample wt/vol: 20 (mL) Date Analyzed: 10/26/2014 21:18

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 147711 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	0.120	U	1.00	0.120
74-87-3	Chloromethane	0.180	U	2.00	0.180
75-01-4	Vinyl chloride	0.110	U	2.00	0.110
74-83-9	Bromomethane	0.250	U	2.00	0.250
75-00-3	Chloroethane	0.0800	U	2.00	0.0800
75-69-4	Trichlorofluoromethane	0.0800	U	1.00	0.0800
75-35-4	1,1-Dichloroethene	1.22		1.00	0.190
156-60-5	trans-1,2-Dichloroethene	0.0900	U	1.00	0.0900
1634-04-4	Methyl tert-butyl ether	0.120	U	1.00	0.120
75-09-2	Methylene Chloride	0.150	U	5.00	0.150
156-59-2	cis-1,2-Dichloroethene	0.0600	U	1.00	0.0600
78-93-3	2-Butanone (MEK)	0.760	U	2.00	0.760
74-97-5	Bromochloromethane	0.180	U	1.00	0.180
56-23-5	Carbon tetrachloride	0.150	U	1.00	0.150
71-43-2	Benzene	0.0800	U	1.00	0.0800
107-06-2	1,2-Dichloroethane	0.140	U	1.00	0.140
79-01-6	Trichloroethene	0.258	J	1.00	0.180
71-55-6	1,1,1-Trichloroethane	0.150	U	1.00	0.150
75-34-3	1,1-Dichloroethane	0.800	J	1.00	0.110
78-87-5	1,2-Dichloropropane	0.160	U	1.00	0.160
594-20-7	2,2-Dichloropropane	0.130	U	1.00	0.130
74-95-3	Dibromomethane	0.520	U	1.00	0.520
67-66-3	Chloroform	0.130	U	1.00	0.130
75-27-4	Bromodichloromethane	0.160	U	1.00	0.160
110-75-8	2-Chloroethyl vinyl ether	0.500	U	2.00	0.500
563-58-6	1,1-Dichloropropene	0.210	U	1.00	0.210
10061-01-5	cis-1,3-Dichloropropene	0.180	U	1.00	0.180
108-88-3	Toluene	0.150	U	1.00	0.150
10061-02-6	trans-1,3-Dichloropropene	0.210	U	1.00	0.210
79-00-5	1,1,2-Trichloroethane	0.280	U	1.00	0.280
127-18-4	Tetrachloroethene	0.499	J	1.00	0.130
142-28-9	1,3-Dichloropropane	0.220	U	1.00	0.220
124-48-1	Chlorodibromomethane	0.150	U	1.00	0.150
106-93-4	1,2-Dibromoethane	0.180	U	1.00	0.180
108-90-7	Chlorobenzene	0.120	U	1.00	0.120
630-20-6	1,1,1,2-Tetrachloroethane	0.180	U	1.00	0.180

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Houston</u>	Job No.: <u>600-100927-1</u>
SDG No.: _____	
Client Sample ID: <u>ARTESIA-MW31-10162014</u>	Lab Sample ID: <u>600-100927-11</u>
Matrix: <u>Water</u>	Lab File ID: <u>A29924.D</u>
Analysis Method: <u>8260B</u>	Date Collected: <u>10/16/2014 11:10</u>
Sample wt/vol: <u>20 (mL)</u>	Date Analyzed: <u>10/26/2014 21:18</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-VRX 60</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>147711</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	0.110	U	1.00	0.110
179601-23-1	m-Xylene & p-Xylene	0.170	U	1.00	0.170
1330-20-7	Xylenes, Total	0.260	U	1.00	0.260
95-47-6	o-Xylene	0.120	U	1.00	0.120
100-42-5	Styrene	0.0700	U	1.00	0.0700
75-25-2	Bromoform	0.190	U	1.00	0.190
98-82-8	Isopropylbenzene	0.180	U	1.00	0.180
108-86-1	Bromobenzene	0.190	U	1.00	0.190
96-18-4	1,2,3-Trichloropropane	0.290	U	1.00	0.290
79-34-5	1,1,2,2-Tetrachloroethane	0.220	U	1.00	0.220
103-65-1	N-Propylbenzene	0.150	U	1.00	0.150
95-49-8	2-Chlorotoluene	0.130	U	1.00	0.130
106-43-4	4-Chlorotoluene	0.140	U	1.00	0.140
108-67-8	1,3,5-Trimethylbenzene	0.100	U	1.00	0.100
98-06-6	tert-Butylbenzene	0.0800	U	1.00	0.0800
99-87-6	p-Isopropyltoluene	0.100	U	1.00	0.100
95-63-6	1,2,4-Trimethylbenzene	0.140	U	1.00	0.140
135-98-8	sec-Butylbenzene	0.120	U	1.00	0.120
541-73-1	1,3-Dichlorobenzene	0.130	U	1.00	0.130
106-46-7	1,4-Dichlorobenzene	0.110	U	1.00	0.110
95-50-1	1,2-Dichlorobenzene	0.100	U	1.00	0.100
104-51-8	n-Butylbenzene	0.160	U	1.00	0.160
96-12-8	1,2-Dibromo-3-Chloropropane	0.810	U	1.00	0.810
120-82-1	1,2,4-Trichlorobenzene	0.310	U	1.00	0.310
87-68-3	Hexachlorobutadiene	0.170	U	1.00	0.170
91-20-3	Naphthalene	0.320	U	2.00	0.320
87-61-6	1,2,3-Trichlorobenzene	0.570	U *	1.00	0.570

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	81		67-139
1868-53-7	Dibromofluoromethane	108		62-130
2037-26-5	Toluene-d8 (Surr)	117		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		50-134

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-100927-1

SDG No.: _____

Client Sample ID: ARTESIA-MW21-10162014 Lab Sample ID: 600-100927-12

Matrix: Water Lab File ID: A29917.D

Analysis Method: 8260B Date Collected: 10/16/2014 13:00

Sample wt/vol: 20 (mL) Date Analyzed: 10/26/2014 17:59

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 147711 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	0.120	U	1.00	0.120
74-87-3	Chloromethane	0.180	U	2.00	0.180
75-01-4	Vinyl chloride	0.110	U	2.00	0.110
74-83-9	Bromomethane	0.250	U	2.00	0.250
75-00-3	Chloroethane	0.0800	U	2.00	0.0800
75-69-4	Trichlorofluoromethane	0.0800	U	1.00	0.0800
75-35-4	1,1-Dichloroethene	0.196	J	1.00	0.190
156-60-5	trans-1,2-Dichloroethene	0.0900	U	1.00	0.0900
1634-04-4	Methyl tert-butyl ether	0.120	U	1.00	0.120
75-09-2	Methylene Chloride	0.150	U	5.00	0.150
156-59-2	cis-1,2-Dichloroethene	0.0600	U	1.00	0.0600
78-93-3	2-Butanone (MEK)	0.760	U	2.00	0.760
74-97-5	Bromochloromethane	0.180	U	1.00	0.180
56-23-5	Carbon tetrachloride	0.150	U	1.00	0.150
71-43-2	Benzene	0.0800	U	1.00	0.0800
107-06-2	1,2-Dichloroethane	0.140	U	1.00	0.140
79-01-6	Trichloroethene	0.180	U	1.00	0.180
71-55-6	1,1,1-Trichloroethane	0.150	U	1.00	0.150
75-34-3	1,1-Dichloroethane	0.195	J	1.00	0.110
78-87-5	1,2-Dichloropropane	0.160	U	1.00	0.160
594-20-7	2,2-Dichloropropane	0.130	U	1.00	0.130
74-95-3	Dibromomethane	0.520	U	1.00	0.520
67-66-3	Chloroform	0.130	U	1.00	0.130
75-27-4	Bromodichloromethane	0.160	U	1.00	0.160
110-75-8	2-Chloroethyl vinyl ether	0.500	U	2.00	0.500
563-58-6	1,1-Dichloropropene	0.210	U	1.00	0.210
10061-01-5	cis-1,3-Dichloropropene	0.180	U	1.00	0.180
108-88-3	Toluene	0.150	U	1.00	0.150
10061-02-6	trans-1,3-Dichloropropene	0.210	U	1.00	0.210
79-00-5	1,1,2-Trichloroethane	0.280	U	1.00	0.280
127-18-4	Tetrachloroethene	0.134	J	1.00	0.130
142-28-9	1,3-Dichloropropane	0.220	U	1.00	0.220
124-48-1	Chlorodibromomethane	0.150	U	1.00	0.150
106-93-4	1,2-Dibromoethane	0.180	U	1.00	0.180
108-90-7	Chlorobenzene	0.120	U	1.00	0.120
630-20-6	1,1,1,2-Tetrachloroethane	0.180	U	1.00	0.180

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-100927-1

SDG No.: _____

Client Sample ID: ARTESIA-MW21-10162014 Lab Sample ID: 600-100927-12

Matrix: Water Lab File ID: A29917.D

Analysis Method: 8260B Date Collected: 10/16/2014 13:00

Sample wt/vol: 20 (mL) Date Analyzed: 10/26/2014 17:59

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 147711 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	0.110	U	1.00	0.110
179601-23-1	m-Xylene & p-Xylene	0.170	U	1.00	0.170
1330-20-7	Xylenes, Total	0.260	U	1.00	0.260
95-47-6	o-Xylene	0.120	U	1.00	0.120
100-42-5	Styrene	0.0700	U	1.00	0.0700
75-25-2	Bromoform	0.190	U	1.00	0.190
98-82-8	Isopropylbenzene	0.180	U	1.00	0.180
108-86-1	Bromobenzene	0.190	U	1.00	0.190
96-18-4	1,2,3-Trichloropropane	0.290	U	1.00	0.290
79-34-5	1,1,2,2-Tetrachloroethane	0.220	U	1.00	0.220
103-65-1	N-Propylbenzene	0.150	U	1.00	0.150
95-49-8	2-Chlorotoluene	0.130	U	1.00	0.130
106-43-4	4-Chlorotoluene	0.140	U	1.00	0.140
108-67-8	1,3,5-Trimethylbenzene	0.100	U	1.00	0.100
98-06-6	tert-Butylbenzene	0.0800	U	1.00	0.0800
99-87-6	p-Isopropyltoluene	0.100	U	1.00	0.100
95-63-6	1,2,4-Trimethylbenzene	0.140	U	1.00	0.140
135-98-8	sec-Butylbenzene	0.120	U	1.00	0.120
541-73-1	1,3-Dichlorobenzene	0.130	U	1.00	0.130
106-46-7	1,4-Dichlorobenzene	0.110	U	1.00	0.110
95-50-1	1,2-Dichlorobenzene	0.100	U	1.00	0.100
104-51-8	n-Butylbenzene	0.160	U	1.00	0.160
96-12-8	1,2-Dibromo-3-Chloropropane	0.810	U	1.00	0.810
120-82-1	1,2,4-Trichlorobenzene	0.310	U	1.00	0.310
87-68-3	Hexachlorobutadiene	0.170	U	1.00	0.170
91-20-3	Naphthalene	0.320	U	2.00	0.320
87-61-6	1,2,3-Trichlorobenzene	0.570	U *	1.00	0.570

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	83		67-139
1868-53-7	Dibromofluoromethane	106		62-130
2037-26-5	Toluene-d8 (Surr)	125		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		50-134

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-100927-1

SDG No.: _____

Client Sample ID: ARTESIA-MW18-10162014 Lab Sample ID: 600-100927-13

Matrix: Water Lab File ID: A30009.D

Analysis Method: 8260B Date Collected: 10/16/2014 13:50

Sample wt/vol: 20 (mL) Date Analyzed: 10/27/2014 13:54

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 147732 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	0.120	U	1.00	0.120
74-87-3	Chloromethane	0.180	U	2.00	0.180
75-01-4	Vinyl chloride	0.110	U	2.00	0.110
74-83-9	Bromomethane	0.250	U	2.00	0.250
75-00-3	Chloroethane	0.0800	U	2.00	0.0800
75-69-4	Trichlorofluoromethane	0.0800	U	1.00	0.0800
75-35-4	1,1-Dichloroethene	0.190	J	1.00	0.190
156-60-5	trans-1,2-Dichloroethene	0.0900	U	1.00	0.0900
1634-04-4	Methyl tert-butyl ether	0.120	U	1.00	0.120
75-09-2	Methylene Chloride	0.150	U	5.00	0.150
156-59-2	cis-1,2-Dichloroethene	0.0600	U	1.00	0.0600
78-93-3	2-Butanone (MEK)	0.760	U	2.00	0.760
74-97-5	Bromochloromethane	0.180	U	1.00	0.180
56-23-5	Carbon tetrachloride	0.150	U	1.00	0.150
71-43-2	Benzene	0.0800	U	1.00	0.0800
107-06-2	1,2-Dichloroethane	0.140	U	1.00	0.140
79-01-6	Trichloroethene	0.180	U	1.00	0.180
71-55-6	1,1,1-Trichloroethane	0.150	U	1.00	0.150
75-34-3	1,1-Dichloroethane	0.110	U	1.00	0.110
78-87-5	1,2-Dichloropropane	0.160	U	1.00	0.160
594-20-7	2,2-Dichloropropane	0.130	U	1.00	0.130
74-95-3	Dibromomethane	0.520	U	1.00	0.520
67-66-3	Chloroform	0.130	U	1.00	0.130
75-27-4	Bromodichloromethane	0.160	U	1.00	0.160
110-75-8	2-Chloroethyl vinyl ether	0.500	U	2.00	0.500
563-58-6	1,1-Dichloropropene	0.210	U	1.00	0.210
10061-01-5	cis-1,3-Dichloropropene	0.180	U	1.00	0.180
108-88-3	Toluene	0.150	U	1.00	0.150
10061-02-6	trans-1,3-Dichloropropene	0.210	U	1.00	0.210
79-00-5	1,1,2-Trichloroethane	0.280	U	1.00	0.280
127-18-4	Tetrachloroethene	0.361	J	1.00	0.130
142-28-9	1,3-Dichloropropane	0.220	U	1.00	0.220
124-48-1	Chlorodibromomethane	0.150	U	1.00	0.150
106-93-4	1,2-Dibromoethane	0.180	U	1.00	0.180
108-90-7	Chlorobenzene	0.120	U	1.00	0.120
630-20-6	1,1,1,2-Tetrachloroethane	0.180	U	1.00	0.180

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-100927-1

SDG No.: _____

Client Sample ID: ARTESIA-MW18-10162014 Lab Sample ID: 600-100927-13

Matrix: Water Lab File ID: A30009.D

Analysis Method: 8260B Date Collected: 10/16/2014 13:50

Sample wt/vol: 20 (mL) Date Analyzed: 10/27/2014 13:54

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 147732 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	0.110	U	1.00	0.110
179601-23-1	m-Xylene & p-Xylene	0.170	U	1.00	0.170
1330-20-7	Xylenes, Total	0.260	U	1.00	0.260
95-47-6	o-Xylene	0.120	U	1.00	0.120
100-42-5	Styrene	0.0700	U	1.00	0.0700
75-25-2	Bromoform	0.190	U	1.00	0.190
98-82-8	Isopropylbenzene	0.180	U	1.00	0.180
108-86-1	Bromobenzene	0.190	U	1.00	0.190
96-18-4	1,2,3-Trichloropropane	0.290	U	1.00	0.290
79-34-5	1,1,2,2-Tetrachloroethane	0.220	U	1.00	0.220
103-65-1	N-Propylbenzene	0.150	U	1.00	0.150
95-49-8	2-Chlorotoluene	0.130	U	1.00	0.130
106-43-4	4-Chlorotoluene	0.140	U	1.00	0.140
108-67-8	1,3,5-Trimethylbenzene	0.100	U	1.00	0.100
98-06-6	tert-Butylbenzene	0.0800	U	1.00	0.0800
99-87-6	p-Isopropyltoluene	0.100	U	1.00	0.100
95-63-6	1,2,4-Trimethylbenzene	0.140	U	1.00	0.140
135-98-8	sec-Butylbenzene	0.120	U	1.00	0.120
541-73-1	1,3-Dichlorobenzene	0.130	U	1.00	0.130
106-46-7	1,4-Dichlorobenzene	0.110	U	1.00	0.110
95-50-1	1,2-Dichlorobenzene	0.100	U	1.00	0.100
104-51-8	n-Butylbenzene	0.160	U	1.00	0.160
96-12-8	1,2-Dibromo-3-Chloropropane	0.810	U	1.00	0.810
120-82-1	1,2,4-Trichlorobenzene	0.310	U	1.00	0.310
87-68-3	Hexachlorobutadiene	0.170	U	1.00	0.170
91-20-3	Naphthalene	0.320	U	2.00	0.320
87-61-6	1,2,3-Trichlorobenzene	0.570	U *	1.00	0.570

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	87		67-139
1868-53-7	Dibromofluoromethane	100		62-130
2037-26-5	Toluene-d8 (Surr)	118		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	91		50-134

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-100927-1

SDG No.: _____

Client Sample ID: ARTESIA-MW20-10162014 Lab Sample ID: 600-100927-14

Matrix: Water Lab File ID: A29920.D

Analysis Method: 8260B Date Collected: 10/16/2014 14:35

Sample wt/vol: 20 (mL) Date Analyzed: 10/26/2014 19:24

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 147711 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	0.120	U	1.00	0.120
74-87-3	Chloromethane	0.180	U	2.00	0.180
75-01-4	Vinyl chloride	0.374	J	2.00	0.110
74-83-9	Bromomethane	0.250	U	2.00	0.250
75-00-3	Chloroethane	0.0800	U	2.00	0.0800
75-69-4	Trichlorofluoromethane	0.0800	U	1.00	0.0800
75-35-4	1,1-Dichloroethene	3.80		1.00	0.190
156-60-5	trans-1,2-Dichloroethene	0.0900	U	1.00	0.0900
1634-04-4	Methyl tert-butyl ether	1.95		1.00	0.120
75-09-2	Methylene Chloride	0.150	U	5.00	0.150
156-59-2	cis-1,2-Dichloroethene	3.18		1.00	0.0600
78-93-3	2-Butanone (MEK)	0.760	U	2.00	0.760
74-97-5	Bromochloromethane	0.180	U	1.00	0.180
56-23-5	Carbon tetrachloride	0.150	U	1.00	0.150
71-43-2	Benzene	0.211	J	1.00	0.0800
107-06-2	1,2-Dichloroethane	0.168	J	1.00	0.140
79-01-6	Trichloroethene	4.30		1.00	0.180
71-55-6	1,1,1-Trichloroethane	0.150	U	1.00	0.150
75-34-3	1,1-Dichloroethane	12.1		1.00	0.110
78-87-5	1,2-Dichloropropane	0.160	U	1.00	0.160
594-20-7	2,2-Dichloropropane	0.130	U	1.00	0.130
74-95-3	Dibromomethane	0.520	U	1.00	0.520
67-66-3	Chloroform	0.130	U	1.00	0.130
75-27-4	Bromodichloromethane	0.160	U	1.00	0.160
110-75-8	2-Chloroethyl vinyl ether	0.500	U	2.00	0.500
563-58-6	1,1-Dichloropropene	0.210	U	1.00	0.210
10061-01-5	cis-1,3-Dichloropropene	0.180	U	1.00	0.180
108-88-3	Toluene	0.150	U	1.00	0.150
10061-02-6	trans-1,3-Dichloropropene	0.210	U	1.00	0.210
79-00-5	1,1,2-Trichloroethane	0.280	U	1.00	0.280
127-18-4	Tetrachloroethene	2.63		1.00	0.130
142-28-9	1,3-Dichloropropane	0.220	U	1.00	0.220
124-48-1	Chlorodibromomethane	0.150	U	1.00	0.150
106-93-4	1,2-Dibromoethane	0.180	U	1.00	0.180
108-90-7	Chlorobenzene	0.199	J	1.00	0.120
630-20-6	1,1,1,2-Tetrachloroethane	0.180	U	1.00	0.180

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-100927-1

SDG No.: _____

Client Sample ID: ARTESIA-MW20-10162014 Lab Sample ID: 600-100927-14

Matrix: Water Lab File ID: A29920.D

Analysis Method: 8260B Date Collected: 10/16/2014 14:35

Sample wt/vol: 20 (mL) Date Analyzed: 10/26/2014 19:24

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 147711 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	0.110	U	1.00	0.110
179601-23-1	m-Xylene & p-Xylene	0.170	U	1.00	0.170
1330-20-7	Xylenes, Total	0.260	U	1.00	0.260
95-47-6	o-Xylene	0.120	U	1.00	0.120
100-42-5	Styrene	0.0700	U	1.00	0.0700
75-25-2	Bromoform	0.190	U	1.00	0.190
98-82-8	Isopropylbenzene	0.180	U	1.00	0.180
108-86-1	Bromobenzene	0.190	U	1.00	0.190
96-18-4	1,2,3-Trichloropropane	0.290	U	1.00	0.290
79-34-5	1,1,2,2-Tetrachloroethane	0.220	U	1.00	0.220
103-65-1	N-Propylbenzene	0.150	U	1.00	0.150
95-49-8	2-Chlorotoluene	0.130	U	1.00	0.130
106-43-4	4-Chlorotoluene	0.140	U	1.00	0.140
108-67-8	1,3,5-Trimethylbenzene	0.100	U	1.00	0.100
98-06-6	tert-Butylbenzene	0.0800	U	1.00	0.0800
99-87-6	p-Isopropyltoluene	0.100	U	1.00	0.100
95-63-6	1,2,4-Trimethylbenzene	0.140	U	1.00	0.140
135-98-8	sec-Butylbenzene	0.120	U	1.00	0.120
541-73-1	1,3-Dichlorobenzene	0.130	U	1.00	0.130
106-46-7	1,4-Dichlorobenzene	0.110	U	1.00	0.110
95-50-1	1,2-Dichlorobenzene	0.100	U	1.00	0.100
104-51-8	n-Butylbenzene	0.160	U	1.00	0.160
96-12-8	1,2-Dibromo-3-Chloropropane	0.810	U	1.00	0.810
120-82-1	1,2,4-Trichlorobenzene	0.310	U	1.00	0.310
87-68-3	Hexachlorobutadiene	0.170	U	1.00	0.170
91-20-3	Naphthalene	0.320	U	2.00	0.320
87-61-6	1,2,3-Trichlorobenzene	0.570	U *	1.00	0.570

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	78		67-139
1868-53-7	Dibromofluoromethane	105		62-130
2037-26-5	Toluene-d8 (Surr)	121		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	90		50-134

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-100927-1

SDG No.: _____

Client Sample ID: ARTESIA-MW15-10172014 Lab Sample ID: 600-100927-15

Matrix: Water Lab File ID: A29919.D

Analysis Method: 8260B Date Collected: 10/17/2014 09:50

Sample wt/vol: 20 (mL) Date Analyzed: 10/26/2014 18:55

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 147711 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	0.120	U	1.00	0.120
74-87-3	Chloromethane	0.180	U	2.00	0.180
75-01-4	Vinyl chloride	0.110	U	2.00	0.110
74-83-9	Bromomethane	0.250	U	2.00	0.250
75-00-3	Chloroethane	0.0800	U	2.00	0.0800
75-69-4	Trichlorofluoromethane	0.0800	U	1.00	0.0800
75-35-4	1,1-Dichloroethene	0.190	U	1.00	0.190
156-60-5	trans-1,2-Dichloroethene	0.0900	U	1.00	0.0900
1634-04-4	Methyl tert-butyl ether	0.778	J	1.00	0.120
75-09-2	Methylene Chloride	0.150	U	5.00	0.150
156-59-2	cis-1,2-Dichloroethene	0.855	J	1.00	0.0600
78-93-3	2-Butanone (MEK)	0.760	U	2.00	0.760
74-97-5	Bromochloromethane	0.180	U	1.00	0.180
56-23-5	Carbon tetrachloride	0.150	U	1.00	0.150
71-43-2	Benzene	0.0800	U	1.00	0.0800
107-06-2	1,2-Dichloroethane	0.140	U	1.00	0.140
79-01-6	Trichloroethene	15.4		1.00	0.180
71-55-6	1,1,1-Trichloroethane	0.150	U	1.00	0.150
75-34-3	1,1-Dichloroethane	0.119	J	1.00	0.110
78-87-5	1,2-Dichloropropane	0.160	U	1.00	0.160
594-20-7	2,2-Dichloropropane	0.130	U	1.00	0.130
74-95-3	Dibromomethane	0.520	U	1.00	0.520
67-66-3	Chloroform	0.130	U	1.00	0.130
75-27-4	Bromodichloromethane	0.160	U	1.00	0.160
110-75-8	2-Chloroethyl vinyl ether	0.500	U	2.00	0.500
563-58-6	1,1-Dichloropropene	0.210	U	1.00	0.210
10061-01-5	cis-1,3-Dichloropropene	0.180	U	1.00	0.180
108-88-3	Toluene	0.150	U	1.00	0.150
10061-02-6	trans-1,3-Dichloropropene	0.210	U	1.00	0.210
79-00-5	1,1,2-Trichloroethane	0.280	U	1.00	0.280
127-18-4	Tetrachloroethene	5.92		1.00	0.130
142-28-9	1,3-Dichloropropane	0.220	U	1.00	0.220
124-48-1	Chlorodibromomethane	0.150	U	1.00	0.150
106-93-4	1,2-Dibromoethane	0.180	U	1.00	0.180
108-90-7	Chlorobenzene	0.120	U	1.00	0.120
630-20-6	1,1,1,2-Tetrachloroethane	0.180	U	1.00	0.180

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-100927-1

SDG No.: _____

Client Sample ID: ARTESIA-MW15-10172014 Lab Sample ID: 600-100927-15

Matrix: Water Lab File ID: A29919.D

Analysis Method: 8260B Date Collected: 10/17/2014 09:50

Sample wt/vol: 20 (mL) Date Analyzed: 10/26/2014 18:55

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 147711 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	0.110	U	1.00	0.110
179601-23-1	m-Xylene & p-Xylene	0.170	U	1.00	0.170
1330-20-7	Xylenes, Total	0.260	U	1.00	0.260
95-47-6	o-Xylene	0.120	U	1.00	0.120
100-42-5	Styrene	0.0700	U	1.00	0.0700
75-25-2	Bromoform	0.190	U	1.00	0.190
98-82-8	Isopropylbenzene	0.180	U	1.00	0.180
108-86-1	Bromobenzene	0.190	U	1.00	0.190
96-18-4	1,2,3-Trichloropropane	0.290	U	1.00	0.290
79-34-5	1,1,2,2-Tetrachloroethane	0.220	U	1.00	0.220
103-65-1	N-Propylbenzene	0.150	U	1.00	0.150
95-49-8	2-Chlorotoluene	0.130	U	1.00	0.130
106-43-4	4-Chlorotoluene	0.140	U	1.00	0.140
108-67-8	1,3,5-Trimethylbenzene	0.100	U	1.00	0.100
98-06-6	tert-Butylbenzene	0.0800	U	1.00	0.0800
99-87-6	p-Isopropyltoluene	0.100	U	1.00	0.100
95-63-6	1,2,4-Trimethylbenzene	0.140	U	1.00	0.140
135-98-8	sec-Butylbenzene	0.120	U	1.00	0.120
541-73-1	1,3-Dichlorobenzene	0.130	U	1.00	0.130
106-46-7	1,4-Dichlorobenzene	0.110	U	1.00	0.110
95-50-1	1,2-Dichlorobenzene	0.100	U	1.00	0.100
104-51-8	n-Butylbenzene	0.160	U	1.00	0.160
96-12-8	1,2-Dibromo-3-Chloropropane	0.810	U	1.00	0.810
120-82-1	1,2,4-Trichlorobenzene	0.310	U	1.00	0.310
87-68-3	Hexachlorobutadiene	0.170	U	1.00	0.170
91-20-3	Naphthalene	0.320	U	2.00	0.320
87-61-6	1,2,3-Trichlorobenzene	0.570	U *	1.00	0.570

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	80		67-139
1868-53-7	Dibromofluoromethane	105		62-130
2037-26-5	Toluene-d8 (Surr)	121		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	91		50-134

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-100927-1

SDG No.: _____

Client Sample ID: ARTESIAMW17C-10172014 Lab Sample ID: 600-100927-16

Matrix: Water Lab File ID: A29921.D

Analysis Method: 8260B Date Collected: 10/17/2014 10:30

Sample wt/vol: 20 (mL) Date Analyzed: 10/26/2014 19:53

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 147711 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	0.120	U	1.00	0.120
74-87-3	Chloromethane	0.180	U	2.00	0.180
75-01-4	Vinyl chloride	0.110	U	2.00	0.110
74-83-9	Bromomethane	0.250	U	2.00	0.250
75-00-3	Chloroethane	0.0800	U	2.00	0.0800
75-69-4	Trichlorofluoromethane	0.0800	U	1.00	0.0800
75-35-4	1,1-Dichloroethene	0.436	J	1.00	0.190
156-60-5	trans-1,2-Dichloroethene	0.0900	U	1.00	0.0900
1634-04-4	Methyl tert-butyl ether	0.120	U	1.00	0.120
75-09-2	Methylene Chloride	0.150	U	5.00	0.150
156-59-2	cis-1,2-Dichloroethene	0.0733	J	1.00	0.0600
78-93-3	2-Butanone (MEK)	0.760	U	2.00	0.760
74-97-5	Bromochloromethane	0.180	U	1.00	0.180
56-23-5	Carbon tetrachloride	0.150	U	1.00	0.150
71-43-2	Benzene	0.0800	U	1.00	0.0800
107-06-2	1,2-Dichloroethane	0.140	U	1.00	0.140
79-01-6	Trichloroethene	0.615	J	1.00	0.180
71-55-6	1,1,1-Trichloroethane	0.150	U	1.00	0.150
75-34-3	1,1-Dichloroethane	0.184	J	1.00	0.110
78-87-5	1,2-Dichloropropane	0.160	U	1.00	0.160
594-20-7	2,2-Dichloropropane	0.130	U	1.00	0.130
74-95-3	Dibromomethane	0.520	U	1.00	0.520
67-66-3	Chloroform	0.130	U	1.00	0.130
75-27-4	Bromodichloromethane	0.160	U	1.00	0.160
110-75-8	2-Chloroethyl vinyl ether	0.500	U	2.00	0.500
563-58-6	1,1-Dichloropropene	0.210	U	1.00	0.210
10061-01-5	cis-1,3-Dichloropropene	0.180	U	1.00	0.180
108-88-3	Toluene	0.150	U	1.00	0.150
10061-02-6	trans-1,3-Dichloropropene	0.210	U	1.00	0.210
79-00-5	1,1,2-Trichloroethane	0.280	U	1.00	0.280
127-18-4	Tetrachloroethene	0.199	J	1.00	0.130
142-28-9	1,3-Dichloropropane	0.220	U	1.00	0.220
124-48-1	Chlorodibromomethane	0.150	U	1.00	0.150
106-93-4	1,2-Dibromoethane	0.180	U	1.00	0.180
108-90-7	Chlorobenzene	0.120	U	1.00	0.120
630-20-6	1,1,1,2-Tetrachloroethane	0.180	U	1.00	0.180

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-100927-1

SDG No.: _____

Client Sample ID: ARTESIAMW17C-10172014 Lab Sample ID: 600-100927-16

Matrix: Water Lab File ID: A29921.D

Analysis Method: 8260B Date Collected: 10/17/2014 10:30

Sample wt/vol: 20 (mL) Date Analyzed: 10/26/2014 19:53

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 147711 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	0.110	U	1.00	0.110
179601-23-1	m-Xylene & p-Xylene	0.170	U	1.00	0.170
1330-20-7	Xylenes, Total	0.260	U	1.00	0.260
95-47-6	o-Xylene	0.120	U	1.00	0.120
100-42-5	Styrene	0.0700	U	1.00	0.0700
75-25-2	Bromoform	0.190	U	1.00	0.190
98-82-8	Isopropylbenzene	0.180	U	1.00	0.180
108-86-1	Bromobenzene	0.190	U	1.00	0.190
96-18-4	1,2,3-Trichloropropane	0.290	U	1.00	0.290
79-34-5	1,1,2,2-Tetrachloroethane	0.220	U	1.00	0.220
103-65-1	N-Propylbenzene	0.150	U	1.00	0.150
95-49-8	2-Chlorotoluene	0.130	U	1.00	0.130
106-43-4	4-Chlorotoluene	0.140	U	1.00	0.140
108-67-8	1,3,5-Trimethylbenzene	0.100	U	1.00	0.100
98-06-6	tert-Butylbenzene	0.0800	U	1.00	0.0800
99-87-6	p-Isopropyltoluene	0.100	U	1.00	0.100
95-63-6	1,2,4-Trimethylbenzene	0.140	U	1.00	0.140
135-98-8	sec-Butylbenzene	0.120	U	1.00	0.120
541-73-1	1,3-Dichlorobenzene	0.130	U	1.00	0.130
106-46-7	1,4-Dichlorobenzene	0.110	U	1.00	0.110
95-50-1	1,2-Dichlorobenzene	0.100	U	1.00	0.100
104-51-8	n-Butylbenzene	0.160	U	1.00	0.160
96-12-8	1,2-Dibromo-3-Chloropropane	0.810	U	1.00	0.810
120-82-1	1,2,4-Trichlorobenzene	0.310	U	1.00	0.310
87-68-3	Hexachlorobutadiene	0.170	U	1.00	0.170
91-20-3	Naphthalene	0.320	U	2.00	0.320
87-61-6	1,2,3-Trichlorobenzene	0.570	U *	1.00	0.570

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	81		67-139
1868-53-7	Dibromofluoromethane	104		62-130
2037-26-5	Toluene-d8 (Surr)	122		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	92		50-134

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-100927-1

SDG No.: _____

Client Sample ID: ARTESIA-MW12-10172014 Lab Sample ID: 600-100927-17

Matrix: Water Lab File ID: A30011.D

Analysis Method: 8260B Date Collected: 10/17/2014 11:10

Sample wt/vol: 20 (mL) Date Analyzed: 10/27/2014 14:51

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 147732 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	0.120	U	1.00	0.120
74-87-3	Chloromethane	0.180	U	2.00	0.180
75-01-4	Vinyl chloride	0.110	U	2.00	0.110
74-83-9	Bromomethane	0.250	U	2.00	0.250
75-00-3	Chloroethane	0.0800	U	2.00	0.0800
75-69-4	Trichlorofluoromethane	0.0800	U	1.00	0.0800
75-35-4	1,1-Dichloroethene	0.484	J	1.00	0.190
156-60-5	trans-1,2-Dichloroethene	0.0900	U	1.00	0.0900
1634-04-4	Methyl tert-butyl ether	0.120	U	1.00	0.120
75-09-2	Methylene Chloride	0.150	U	5.00	0.150
156-59-2	cis-1,2-Dichloroethene	10.9		1.00	0.0600
78-93-3	2-Butanone (MEK)	0.760	U	2.00	0.760
74-97-5	Bromochloromethane	0.180	U	1.00	0.180
56-23-5	Carbon tetrachloride	0.150	U	1.00	0.150
71-43-2	Benzene	2.65		1.00	0.0800
107-06-2	1,2-Dichloroethane	0.140	U	1.00	0.140
79-01-6	Trichloroethene	0.851	J	1.00	0.180
71-55-6	1,1,1-Trichloroethane	0.150	U	1.00	0.150
75-34-3	1,1-Dichloroethane	4.34		1.00	0.110
78-87-5	1,2-Dichloropropane	0.160	U	1.00	0.160
594-20-7	2,2-Dichloropropane	0.130	U	1.00	0.130
74-95-3	Dibromomethane	0.520	U	1.00	0.520
67-66-3	Chloroform	0.130	U	1.00	0.130
75-27-4	Bromodichloromethane	0.160	U	1.00	0.160
110-75-8	2-Chloroethyl vinyl ether	0.500	U	2.00	0.500
563-58-6	1,1-Dichloropropene	0.210	U	1.00	0.210
10061-01-5	cis-1,3-Dichloropropene	0.180	U	1.00	0.180
108-88-3	Toluene	0.150	U	1.00	0.150
10061-02-6	trans-1,3-Dichloropropene	0.210	U	1.00	0.210
79-00-5	1,1,2-Trichloroethane	0.280	U	1.00	0.280
127-18-4	Tetrachloroethene	0.830	J	1.00	0.130
142-28-9	1,3-Dichloropropane	0.220	U	1.00	0.220
124-48-1	Chlorodibromomethane	0.150	U	1.00	0.150
106-93-4	1,2-Dibromoethane	0.180	U	1.00	0.180
108-90-7	Chlorobenzene	0.120	U	1.00	0.120
630-20-6	1,1,1,2-Tetrachloroethane	0.180	U	1.00	0.180

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-100927-1

SDG No.: _____

Client Sample ID: ARTESIA-MW12-10172014 Lab Sample ID: 600-100927-17

Matrix: Water Lab File ID: A30011.D

Analysis Method: 8260B Date Collected: 10/17/2014 11:10

Sample wt/vol: 20 (mL) Date Analyzed: 10/27/2014 14:51

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 147732 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	3.79		1.00	0.110
100-42-5	Styrene	0.0700	U	1.00	0.0700
75-25-2	Bromoform	0.190	U	1.00	0.190
98-82-8	Isopropylbenzene	48.1		1.00	0.180
108-86-1	Bromobenzene	0.190	U	1.00	0.190
96-18-4	1,2,3-Trichloropropane	0.290	U	1.00	0.290
79-34-5	1,1,2,2-Tetrachloroethane	0.220	U	1.00	0.220
95-49-8	2-Chlorotoluene	0.130	U	1.00	0.130
106-43-4	4-Chlorotoluene	0.140	U	1.00	0.140
98-06-6	tert-Butylbenzene	0.600	J	1.00	0.0800
99-87-6	p-Isopropyltoluene	3.27		1.00	0.100
135-98-8	sec-Butylbenzene	5.38		1.00	0.120
541-73-1	1,3-Dichlorobenzene	0.130	U	1.00	0.130
106-46-7	1,4-Dichlorobenzene	0.110	U	1.00	0.110
95-50-1	1,2-Dichlorobenzene	0.100	U	1.00	0.100
104-51-8	n-Butylbenzene	7.76		1.00	0.160
96-12-8	1,2-Dibromo-3-Chloropropane	0.810	U	1.00	0.810
120-82-1	1,2,4-Trichlorobenzene	0.310	U	1.00	0.310
87-68-3	Hexachlorobutadiene	0.170	U	1.00	0.170
87-61-6	1,2,3-Trichlorobenzene	0.570	U *	1.00	0.570

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	63	X	67-139
1868-53-7	Dibromofluoromethane	96		62-130
2037-26-5	Toluene-d8 (Surr)	104		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	87		50-134

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-100927-1
 SDG No.: _____
 Client Sample ID: ARTESIA-MW12-10172014 DL Lab Sample ID: 600-100927-17 DL
 Matrix: Water Lab File ID: A30015.D
 Analysis Method: 8260B Date Collected: 10/17/2014 11:10
 Sample wt/vol: 20 (mL) Date Analyzed: 10/27/2014 16:45
 Soil Aliquot Vol: _____ Dilution Factor: 20
 Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 147732 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
179601-23-1	m-Xylene & p-Xylene	55.4		20.0	3.40
1330-20-7	Xylenes, Total	67.0		20.0	5.20
95-47-6	o-Xylene	11.6	J	20.0	2.40
103-65-1	N-Propylbenzene	52.4		20.0	3.00
108-67-8	1,3,5-Trimethylbenzene	49.1		20.0	2.00
95-63-6	1,2,4-Trimethylbenzene	385		20.0	2.80
91-20-3	Naphthalene	104		40.0	6.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	79		67-139
1868-53-7	Dibromofluoromethane	94		62-130
2037-26-5	Toluene-d8 (Surr)	118		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	85		50-134

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-100927-1

SDG No.: _____

Client Sample ID: ARTESIA-MW7-10172014 Lab Sample ID: 600-100927-18

Matrix: Water Lab File ID: A29922.D

Analysis Method: 8260B Date Collected: 10/17/2014 13:00

Sample wt/vol: 20 (mL) Date Analyzed: 10/26/2014 20:21

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 147711 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	0.120	U	1.00	0.120
74-87-3	Chloromethane	0.180	U	2.00	0.180
75-01-4	Vinyl chloride	0.110	U	2.00	0.110
74-83-9	Bromomethane	0.250	U	2.00	0.250
75-00-3	Chloroethane	0.0800	U	2.00	0.0800
75-69-4	Trichlorofluoromethane	0.0800	U	1.00	0.0800
75-35-4	1,1-Dichloroethene	0.190	U	1.00	0.190
156-60-5	trans-1,2-Dichloroethene	0.0900	U	1.00	0.0900
1634-04-4	Methyl tert-butyl ether	0.120	U	1.00	0.120
75-09-2	Methylene Chloride	0.150	U	5.00	0.150
156-59-2	cis-1,2-Dichloroethene	0.0600	U	1.00	0.0600
78-93-3	2-Butanone (MEK)	0.760	U	2.00	0.760
74-97-5	Bromochloromethane	0.180	U	1.00	0.180
56-23-5	Carbon tetrachloride	0.150	U	1.00	0.150
71-43-2	Benzene	0.0800	U	1.00	0.0800
107-06-2	1,2-Dichloroethane	0.140	U	1.00	0.140
79-01-6	Trichloroethene	0.180	U	1.00	0.180
71-55-6	1,1,1-Trichloroethane	0.150	U	1.00	0.150
75-34-3	1,1-Dichloroethane	0.110	U	1.00	0.110
78-87-5	1,2-Dichloropropane	0.160	U	1.00	0.160
594-20-7	2,2-Dichloropropane	0.130	U	1.00	0.130
74-95-3	Dibromomethane	0.520	U	1.00	0.520
67-66-3	Chloroform	0.130	U	1.00	0.130
75-27-4	Bromodichloromethane	0.160	U	1.00	0.160
110-75-8	2-Chloroethyl vinyl ether	0.500	U	2.00	0.500
563-58-6	1,1-Dichloropropene	0.210	U	1.00	0.210
10061-01-5	cis-1,3-Dichloropropene	0.180	U	1.00	0.180
108-88-3	Toluene	0.150	U	1.00	0.150
10061-02-6	trans-1,3-Dichloropropene	0.210	U	1.00	0.210
79-00-5	1,1,2-Trichloroethane	0.280	U	1.00	0.280
127-18-4	Tetrachloroethene	0.161	J	1.00	0.130
142-28-9	1,3-Dichloropropane	0.220	U	1.00	0.220
124-48-1	Chlorodibromomethane	0.150	U	1.00	0.150
106-93-4	1,2-Dibromoethane	0.180	U	1.00	0.180
108-90-7	Chlorobenzene	0.120	U	1.00	0.120
630-20-6	1,1,1,2-Tetrachloroethane	0.180	U	1.00	0.180

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-100927-1

SDG No.: _____

Client Sample ID: ARTESIA-MW7-10172014 Lab Sample ID: 600-100927-18

Matrix: Water Lab File ID: A29922.D

Analysis Method: 8260B Date Collected: 10/17/2014 13:00

Sample wt/vol: 20 (mL) Date Analyzed: 10/26/2014 20:21

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 147711 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	0.110	U	1.00	0.110
179601-23-1	m-Xylene & p-Xylene	0.170	U	1.00	0.170
1330-20-7	Xylenes, Total	0.260	U	1.00	0.260
95-47-6	o-Xylene	0.120	U	1.00	0.120
100-42-5	Styrene	0.0700	U	1.00	0.0700
75-25-2	Bromoform	0.190	U	1.00	0.190
98-82-8	Isopropylbenzene	0.180	U	1.00	0.180
108-86-1	Bromobenzene	0.190	U	1.00	0.190
96-18-4	1,2,3-Trichloropropane	0.290	U	1.00	0.290
79-34-5	1,1,2,2-Tetrachloroethane	0.220	U	1.00	0.220
103-65-1	N-Propylbenzene	0.150	U	1.00	0.150
95-49-8	2-Chlorotoluene	0.130	U	1.00	0.130
106-43-4	4-Chlorotoluene	0.140	U	1.00	0.140
108-67-8	1,3,5-Trimethylbenzene	0.100	U	1.00	0.100
98-06-6	tert-Butylbenzene	0.0800	U	1.00	0.0800
99-87-6	p-Isopropyltoluene	1.82		1.00	0.100
95-63-6	1,2,4-Trimethylbenzene	0.140	U	1.00	0.140
135-98-8	sec-Butylbenzene	0.120	U	1.00	0.120
541-73-1	1,3-Dichlorobenzene	0.130	U	1.00	0.130
106-46-7	1,4-Dichlorobenzene	0.110	U	1.00	0.110
95-50-1	1,2-Dichlorobenzene	0.100	U	1.00	0.100
104-51-8	n-Butylbenzene	0.160	U	1.00	0.160
96-12-8	1,2-Dibromo-3-Chloropropane	0.810	U	1.00	0.810
120-82-1	1,2,4-Trichlorobenzene	0.310	U	1.00	0.310
87-68-3	Hexachlorobutadiene	0.170	U	1.00	0.170
91-20-3	Naphthalene	0.320	U	2.00	0.320
87-61-6	1,2,3-Trichlorobenzene	0.570	U *	1.00	0.570

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	80		67-139
1868-53-7	Dibromofluoromethane	105		62-130
2037-26-5	Toluene-d8 (Surr)	121		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	91		50-134

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-100927-1

SDG No.: _____

Client Sample ID: ARTESIA-MW8-10172014 Lab Sample ID: 600-100927-19

Matrix: Water Lab File ID: A29923.D

Analysis Method: 8260B Date Collected: 10/17/2014 13:30

Sample wt/vol: 20 (mL) Date Analyzed: 10/26/2014 20:49

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 147711 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	0.120	U	1.00	0.120
74-87-3	Chloromethane	0.180	U	2.00	0.180
75-01-4	Vinyl chloride	0.110	U	2.00	0.110
74-83-9	Bromomethane	0.250	U	2.00	0.250
75-00-3	Chloroethane	0.0800	U	2.00	0.0800
75-69-4	Trichlorofluoromethane	0.0800	U	1.00	0.0800
75-35-4	1,1-Dichloroethene	1.25		1.00	0.190
156-60-5	trans-1,2-Dichloroethene	0.0900	U	1.00	0.0900
1634-04-4	Methyl tert-butyl ether	0.896	J	1.00	0.120
75-09-2	Methylene Chloride	0.150	U	5.00	0.150
156-59-2	cis-1,2-Dichloroethene	0.354	J	1.00	0.0600
78-93-3	2-Butanone (MEK)	0.760	U	2.00	0.760
74-97-5	Bromochloromethane	0.180	U	1.00	0.180
56-23-5	Carbon tetrachloride	0.150	U	1.00	0.150
71-43-2	Benzene	0.0800	U	1.00	0.0800
107-06-2	1,2-Dichloroethane	0.140	U	1.00	0.140
79-01-6	Trichloroethene	1.08		1.00	0.180
71-55-6	1,1,1-Trichloroethane	0.150	U	1.00	0.150
75-34-3	1,1-Dichloroethane	2.06		1.00	0.110
78-87-5	1,2-Dichloropropane	0.160	U	1.00	0.160
594-20-7	2,2-Dichloropropane	0.130	U	1.00	0.130
74-95-3	Dibromomethane	0.520	U	1.00	0.520
67-66-3	Chloroform	0.130	U	1.00	0.130
75-27-4	Bromodichloromethane	0.160	U	1.00	0.160
110-75-8	2-Chloroethyl vinyl ether	0.500	U	2.00	0.500
563-58-6	1,1-Dichloropropene	0.210	U	1.00	0.210
10061-01-5	cis-1,3-Dichloropropene	0.180	U	1.00	0.180
108-88-3	Toluene	0.150	U	1.00	0.150
10061-02-6	trans-1,3-Dichloropropene	0.210	U	1.00	0.210
79-00-5	1,1,2-Trichloroethane	0.280	U	1.00	0.280
127-18-4	Tetrachloroethene	1.81		1.00	0.130
142-28-9	1,3-Dichloropropane	0.220	U	1.00	0.220
124-48-1	Chlorodibromomethane	0.150	U	1.00	0.150
106-93-4	1,2-Dibromoethane	0.180	U	1.00	0.180
108-90-7	Chlorobenzene	0.120	U	1.00	0.120
630-20-6	1,1,1,2-Tetrachloroethane	0.180	U	1.00	0.180

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Houston</u>	Job No.: <u>600-100927-1</u>
SDG No.: _____	
Client Sample ID: <u>ARTESIA-MW8-10172014</u>	Lab Sample ID: <u>600-100927-19</u>
Matrix: <u>Water</u>	Lab File ID: <u>A29923.D</u>
Analysis Method: <u>8260B</u>	Date Collected: <u>10/17/2014 13:30</u>
Sample wt/vol: <u>20 (mL)</u>	Date Analyzed: <u>10/26/2014 20:49</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-VRX 60</u> ID: <u>0.25 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>147711</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	0.110	U	1.00	0.110
179601-23-1	m-Xylene & p-Xylene	0.170	U	1.00	0.170
1330-20-7	Xylenes, Total	0.260	U	1.00	0.260
95-47-6	o-Xylene	0.120	U	1.00	0.120
100-42-5	Styrene	0.0700	U	1.00	0.0700
75-25-2	Bromoform	0.190	U	1.00	0.190
98-82-8	Isopropylbenzene	0.180	U	1.00	0.180
108-86-1	Bromobenzene	0.190	U	1.00	0.190
96-18-4	1,2,3-Trichloropropane	0.290	U	1.00	0.290
79-34-5	1,1,2,2-Tetrachloroethane	0.220	U	1.00	0.220
103-65-1	N-Propylbenzene	0.150	U	1.00	0.150
95-49-8	2-Chlorotoluene	0.130	U	1.00	0.130
106-43-4	4-Chlorotoluene	0.140	U	1.00	0.140
108-67-8	1,3,5-Trimethylbenzene	0.100	U	1.00	0.100
98-06-6	tert-Butylbenzene	0.0800	U	1.00	0.0800
99-87-6	p-Isopropyltoluene	0.100	U	1.00	0.100
95-63-6	1,2,4-Trimethylbenzene	0.140	U	1.00	0.140
135-98-8	sec-Butylbenzene	0.120	U	1.00	0.120
541-73-1	1,3-Dichlorobenzene	0.130	U	1.00	0.130
106-46-7	1,4-Dichlorobenzene	0.110	U	1.00	0.110
95-50-1	1,2-Dichlorobenzene	0.100	U	1.00	0.100
104-51-8	n-Butylbenzene	0.160	U	1.00	0.160
96-12-8	1,2-Dibromo-3-Chloropropane	0.810	U	1.00	0.810
120-82-1	1,2,4-Trichlorobenzene	0.310	U	1.00	0.310
87-68-3	Hexachlorobutadiene	0.170	U	1.00	0.170
91-20-3	Naphthalene	0.320	U	2.00	0.320
87-61-6	1,2,3-Trichlorobenzene	0.570	U *	1.00	0.570

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	81		67-139
1868-53-7	Dibromofluoromethane	107		62-130
2037-26-5	Toluene-d8 (Surr)	127		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	94		50-134

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-100927-1

SDG No.: _____

Client Sample ID: ARTESIA-MW11-10172014 Lab Sample ID: 600-100927-20

Matrix: Water Lab File ID: A30010.D

Analysis Method: 8260B Date Collected: 10/17/2014 14:00

Sample wt/vol: 20 (mL) Date Analyzed: 10/27/2014 14:22

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 147732 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	0.120	U	1.00	0.120
74-87-3	Chloromethane	0.180	U	2.00	0.180
75-01-4	Vinyl chloride	0.110	U	2.00	0.110
74-83-9	Bromomethane	0.250	U	2.00	0.250
75-00-3	Chloroethane	0.0800	U	2.00	0.0800
75-69-4	Trichlorofluoromethane	0.0800	U	1.00	0.0800
75-35-4	1,1-Dichloroethene	0.190	U	1.00	0.190
156-60-5	trans-1,2-Dichloroethene	0.0900	U	1.00	0.0900
1634-04-4	Methyl tert-butyl ether	0.120	U	1.00	0.120
75-09-2	Methylene Chloride	0.150	U	5.00	0.150
156-59-2	cis-1,2-Dichloroethene	0.0600	U	1.00	0.0600
78-93-3	2-Butanone (MEK)	0.760	U	2.00	0.760
74-97-5	Bromochloromethane	0.180	U	1.00	0.180
56-23-5	Carbon tetrachloride	0.150	U	1.00	0.150
71-43-2	Benzene	0.0800	U	1.00	0.0800
107-06-2	1,2-Dichloroethane	0.140	U	1.00	0.140
79-01-6	Trichloroethene	0.211	J	1.00	0.180
71-55-6	1,1,1-Trichloroethane	0.150	U	1.00	0.150
75-34-3	1,1-Dichloroethane	0.253	J	1.00	0.110
78-87-5	1,2-Dichloropropane	0.160	U	1.00	0.160
594-20-7	2,2-Dichloropropane	0.130	U	1.00	0.130
74-95-3	Dibromomethane	0.520	U	1.00	0.520
67-66-3	Chloroform	0.130	U	1.00	0.130
75-27-4	Bromodichloromethane	0.160	U	1.00	0.160
110-75-8	2-Chloroethyl vinyl ether	0.500	U	2.00	0.500
563-58-6	1,1-Dichloropropene	0.210	U	1.00	0.210
10061-01-5	cis-1,3-Dichloropropene	0.180	U	1.00	0.180
108-88-3	Toluene	0.150	U	1.00	0.150
10061-02-6	trans-1,3-Dichloropropene	0.210	U	1.00	0.210
79-00-5	1,1,2-Trichloroethane	0.280	U	1.00	0.280
127-18-4	Tetrachloroethene	0.130	U	1.00	0.130
142-28-9	1,3-Dichloropropane	0.220	U	1.00	0.220
124-48-1	Chlorodibromomethane	0.150	U	1.00	0.150
106-93-4	1,2-Dibromoethane	0.180	U	1.00	0.180
108-90-7	Chlorobenzene	0.120	U	1.00	0.120
630-20-6	1,1,1,2-Tetrachloroethane	0.180	U	1.00	0.180

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-100927-1

SDG No.: _____

Client Sample ID: ARTESIA-MW11-10172014 Lab Sample ID: 600-100927-20

Matrix: Water Lab File ID: A30010.D

Analysis Method: 8260B Date Collected: 10/17/2014 14:00

Sample wt/vol: 20 (mL) Date Analyzed: 10/27/2014 14:22

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 147732 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	0.110	U	1.00	0.110
179601-23-1	m-Xylene & p-Xylene	0.170	U	1.00	0.170
1330-20-7	Xylenes, Total	0.260	U	1.00	0.260
95-47-6	o-Xylene	0.120	U	1.00	0.120
100-42-5	Styrene	0.0700	U	1.00	0.0700
75-25-2	Bromoform	0.190	U	1.00	0.190
98-82-8	Isopropylbenzene	0.180	U	1.00	0.180
108-86-1	Bromobenzene	0.190	U	1.00	0.190
96-18-4	1,2,3-Trichloropropane	0.290	U	1.00	0.290
79-34-5	1,1,2,2-Tetrachloroethane	0.220	U	1.00	0.220
103-65-1	N-Propylbenzene	0.150	U	1.00	0.150
95-49-8	2-Chlorotoluene	0.130	U	1.00	0.130
106-43-4	4-Chlorotoluene	0.140	U	1.00	0.140
108-67-8	1,3,5-Trimethylbenzene	0.100	U	1.00	0.100
98-06-6	tert-Butylbenzene	0.0800	U	1.00	0.0800
99-87-6	p-Isopropyltoluene	0.100	U	1.00	0.100
95-63-6	1,2,4-Trimethylbenzene	0.140	U	1.00	0.140
135-98-8	sec-Butylbenzene	0.120	U	1.00	0.120
541-73-1	1,3-Dichlorobenzene	0.130	U	1.00	0.130
106-46-7	1,4-Dichlorobenzene	0.110	U	1.00	0.110
95-50-1	1,2-Dichlorobenzene	0.100	U	1.00	0.100
104-51-8	n-Butylbenzene	0.160	U	1.00	0.160
96-12-8	1,2-Dibromo-3-Chloropropane	0.810	U	1.00	0.810
120-82-1	1,2,4-Trichlorobenzene	0.310	U	1.00	0.310
87-68-3	Hexachlorobutadiene	0.170	U	1.00	0.170
91-20-3	Naphthalene	0.320	U	2.00	0.320
87-61-6	1,2,3-Trichlorobenzene	0.570	U *	1.00	0.570

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	85		67-139
1868-53-7	Dibromofluoromethane	104		62-130
2037-26-5	Toluene-d8 (Surr)	121		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	91		50-134

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-100927-1

SDG No.: _____

Client Sample ID: ARTESIA-TB02-10202014 Lab Sample ID: 600-100927-21

Matrix: Water Lab File ID: A30006.D

Analysis Method: 8260B Date Collected: 10/20/2014 10:00

Sample wt/vol: 20 (mL) Date Analyzed: 10/27/2014 12:57

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 147732 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	0.120	U	1.00	0.120
74-87-3	Chloromethane	0.180	U	2.00	0.180
75-01-4	Vinyl chloride	0.110	U	2.00	0.110
74-83-9	Bromomethane	0.250	U	2.00	0.250
75-00-3	Chloroethane	0.0800	U	2.00	0.0800
75-69-4	Trichlorofluoromethane	0.0800	U	1.00	0.0800
75-35-4	1,1-Dichloroethene	0.190	U	1.00	0.190
156-60-5	trans-1,2-Dichloroethene	0.0900	U	1.00	0.0900
1634-04-4	Methyl tert-butyl ether	0.120	U	1.00	0.120
75-09-2	Methylene Chloride	1.12	J B	5.00	0.150
156-59-2	cis-1,2-Dichloroethene	0.0600	U	1.00	0.0600
78-93-3	2-Butanone (MEK)	0.760	U	2.00	0.760
74-97-5	Bromochloromethane	0.180	U	1.00	0.180
56-23-5	Carbon tetrachloride	0.150	U	1.00	0.150
71-43-2	Benzene	0.609	J	1.00	0.0800
107-06-2	1,2-Dichloroethane	0.140	U	1.00	0.140
79-01-6	Trichloroethene	0.180	U	1.00	0.180
71-55-6	1,1,1-Trichloroethane	0.150	U	1.00	0.150
75-34-3	1,1-Dichloroethane	0.110	U	1.00	0.110
78-87-5	1,2-Dichloropropane	0.160	U	1.00	0.160
594-20-7	2,2-Dichloropropane	0.130	U	1.00	0.130
74-95-3	Dibromomethane	0.520	U	1.00	0.520
67-66-3	Chloroform	0.130	U	1.00	0.130
75-27-4	Bromodichloromethane	0.160	U	1.00	0.160
110-75-8	2-Chloroethyl vinyl ether	0.500	U	2.00	0.500
563-58-6	1,1-Dichloropropene	0.210	U	1.00	0.210
10061-01-5	cis-1,3-Dichloropropene	0.180	U	1.00	0.180
108-88-3	Toluene	0.150	U	1.00	0.150
10061-02-6	trans-1,3-Dichloropropene	0.210	U	1.00	0.210
79-00-5	1,1,2-Trichloroethane	0.280	U	1.00	0.280
127-18-4	Tetrachloroethene	0.130	U	1.00	0.130
142-28-9	1,3-Dichloropropane	0.220	U	1.00	0.220
124-48-1	Chlorodibromomethane	0.150	U	1.00	0.150
106-93-4	1,2-Dibromoethane	0.180	U	1.00	0.180
108-90-7	Chlorobenzene	0.120	U	1.00	0.120
630-20-6	1,1,1,2-Tetrachloroethane	0.180	U	1.00	0.180

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-100927-1

SDG No.: _____

Client Sample ID: ARTESIA-TB02-10202014 Lab Sample ID: 600-100927-21

Matrix: Water Lab File ID: A30006.D

Analysis Method: 8260B Date Collected: 10/20/2014 10:00

Sample wt/vol: 20 (mL) Date Analyzed: 10/27/2014 12:57

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 147732 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	0.110	U	1.00	0.110
179601-23-1	m-Xylene & p-Xylene	0.170	U	1.00	0.170
1330-20-7	Xylenes, Total	0.260	U	1.00	0.260
95-47-6	o-Xylene	0.120	U	1.00	0.120
100-42-5	Styrene	0.0700	U	1.00	0.0700
75-25-2	Bromoform	0.190	U	1.00	0.190
98-82-8	Isopropylbenzene	0.180	U	1.00	0.180
108-86-1	Bromobenzene	0.190	U	1.00	0.190
96-18-4	1,2,3-Trichloropropane	0.290	U	1.00	0.290
79-34-5	1,1,2,2-Tetrachloroethane	0.220	U	1.00	0.220
103-65-1	N-Propylbenzene	0.150	U	1.00	0.150
95-49-8	2-Chlorotoluene	0.130	U	1.00	0.130
106-43-4	4-Chlorotoluene	0.140	U	1.00	0.140
108-67-8	1,3,5-Trimethylbenzene	0.100	U	1.00	0.100
98-06-6	tert-Butylbenzene	0.0800	U	1.00	0.0800
99-87-6	p-Isopropyltoluene	0.100	U	1.00	0.100
95-63-6	1,2,4-Trimethylbenzene	0.140	U	1.00	0.140
135-98-8	sec-Butylbenzene	0.120	U	1.00	0.120
541-73-1	1,3-Dichlorobenzene	0.130	U	1.00	0.130
106-46-7	1,4-Dichlorobenzene	0.110	U	1.00	0.110
95-50-1	1,2-Dichlorobenzene	0.100	U	1.00	0.100
104-51-8	n-Butylbenzene	0.160	U	1.00	0.160
96-12-8	1,2-Dibromo-3-Chloropropane	0.810	U	1.00	0.810
120-82-1	1,2,4-Trichlorobenzene	0.310	U	1.00	0.310
87-68-3	Hexachlorobutadiene	0.170	U	1.00	0.170
91-20-3	Naphthalene	0.320	U	2.00	0.320
87-61-6	1,2,3-Trichlorobenzene	0.570	U *	1.00	0.570

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	74		67-139
1868-53-7	Dibromofluoromethane	89		62-130
2037-26-5	Toluene-d8 (Surr)	114		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	79		50-134

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Houston Job No.: 600-100927-1 Analy Batch No.: 146352

SDG No.: _____

Instrument ID: CHVOAMS07 GC Column: DB-VRX 60 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/10/2014 12:45 Calibration End Date: 10/10/2014 16:13 Calibration ID: 4635

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 600-146352/2	A28301.D
Level 2	IC 600-146352/3	A28302A.D
Level 3	IC 600-146352/4	A28303.D
Level 4	IC 600-146352/5	A28304.D
Level 5	ICIS 600-146352/6	A28305.D
Level 6	IC 600-146352/7	A28306.D
Level 7	IC 600-146352/8	A28307.D

ANALYTE	RRF						CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5			B	M1	M2								
Dichlorodifluoromethane	++++ 0.1249	0.1996 0.1104	0.1596	0.1505	0.1317		Lin2	0.0804	0.1211							0.9930		0.9900
Chloromethane	++++ 0.1838	0.2638 0.1682	0.2206	0.2182	0.1950		Lin2	0.0838	0.1822			0.1000				0.9940		0.9900
Vinyl chloride	++++ 0.2582	0.3143 0.2064	0.3080	0.2988	0.2763		Ave		0.2770				15.0		15.0			
Butadiene	++++ 0.2672	0.3220 0.2503	0.3228	0.2981	0.2812		Ave		0.2903				10.0		15.0			
Bromomethane	++++ 0.1391	0.1359 0.1478	0.1386	0.1417	0.1178		Ave		0.1368				7.4		15.0			
Ethanol	++++ 0.0010	0.0006 0.0011	0.0008	0.0007	0.0009		Lin1	-0.039	0.0011							0.9900		0.9900
Chloroethane	++++ 0.1434	0.1505 0.1431	0.1355	0.1370	0.1320		Ave		0.1403				4.8		15.0			
Dichlorofluoromethane	++++ 0.4174	0.3795 0.4148	0.4142	0.3974	0.3737		Ave		0.3995				4.8		15.0			
Acetonitrile	++++ 0.0079	0.0068 0.0092	0.0051	0.0061	0.0066		Lin	-0.151	0.0094							0.9960		0.9900
Acrolein	++++ 0.0133	0.0086 0.0169	0.0074	0.0107	0.0119		Lin	-0.172	0.0172							0.9930		0.9900
Trichlorofluoromethane	++++ 0.3581	0.3791 0.3704	0.3461	0.3350	0.3276		Ave		0.3527				5.7		15.0			
Isopropyl alcohol	++++ 0.0061	0.0053 0.0075	0.0038	0.0035	0.0052		Lin	-0.157	0.0077							0.9940		0.9900
Acetone	++++ 0.0370	0.0216 0.0397	0.0268	0.0250	0.0363		Lin1	-0.052	0.0391							0.9950		0.9900
Ethyl ether	++++ 0.2092	0.1616 0.2386	0.1532	0.1836	0.1975		Lin1	-0.126	0.2299							0.9940		0.9900

Note: The ml coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Houston Job No.: 600-100927-1 Analy Batch No.: 146352

SDG No.: _____

Instrument ID: CHVOAMS07 GC Column: DB-VRX 60 ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 10/10/2014 12:45 Calibration End Date: 10/10/2014 16:13 Calibration ID: 4635

ANALYTE	RRF			CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	B	M1								
t-Butanol	++++ 0.0102	0.0062 0.0130	0.0074	0.0077	0.0097	Lin	-0.250	0.0132					0.9930		0.9900
1,1-Dichloroethene	++++ 0.2487	0.1887 0.2868	0.2196	0.2211	0.2444	Ave		0.2349		14.0		15.0			
Acrylonitrile	++++ 0.0407	0.0247 0.0461	0.0272	0.0340	0.0374	Lin1	-0.308	0.0446					0.9950		0.9900
Iodomethane	++++ 0.4762	0.3865 0.5355	0.4158	0.4632	0.4631	Ave		0.4567		11.0		15.0			
Methylene Chloride	++++ 0.3196	0.5727 0.3523	0.4214	0.3607	0.3315	Lin2	0.2455	0.3165					0.9950		0.9900
Methyl acetate	++++ 0.1304	0.0901 0.1451	0.1083	0.1146	0.1241	Lin2	-0.230	0.1331					0.9950		0.9900
1,1,2-Trichloro-1,2,2-trifluoroethane	++++ 0.1411	0.1857 0.1535	0.1405	0.1483	0.1402	Ave		0.1515		12.0		15.0			
3-Chloro-1-propene	++++ 0.1544	0.1117 0.1774	0.1229	0.1421	0.1458	Lin2	-0.054	0.1592					0.9930		0.9900
Carbon disulfide	++++ 0.6363	0.5613 0.6924	0.5782	0.6044	0.6363	Ave		0.6181		7.7		15.0			
trans-1,2-Dichloroethene	++++ 0.3278	0.2766 0.3791	0.2830	0.2994	0.3036	Ave		0.3116		12.0		15.0			
Methyl tert-butyl ether	++++ 0.5417	0.3184 0.6210	0.3831	0.4439	0.5145	Lin1	-0.417	0.6004					0.9950		0.9900
Propionitrile	++++ 0.0147	0.0092 0.0173	0.0110	0.0119	0.0136	Lin1	-0.116	0.0165					0.9920		0.9900
1,1-Dichloroethane	++++ 0.6015	0.5306 0.6515	0.5838	0.5661	0.5952	Ave		0.5881		0.1000	6.8	15.0			
Vinyl acetate	++++ 0.2854	0.1341 0.2841	0.1780	0.2176	0.2594	Lin2	-0.308	0.2744					0.9930		0.9900
2-Chloro-1,3-butadiene	++++ 0.5174	0.2774 0.6000	0.3488	0.4307	0.4958	Lin2	-0.287	0.5345					0.9900		0.9900
Hexane	++++ 0.4127	0.2654 0.4598	0.3379	0.3812	0.4157	Lin2	-0.175	0.4335					0.9980		0.9900
Isopropyl ether	++++ 1.2176	0.8442 1.3272	1.0221	1.1014	1.2164	Ave		1.1215		15.0		15.0			
2-Butanone (MEK)	++++ 0.0210	0.0081 0.0250	0.0196	0.0167	0.0185	Lin	-0.082	0.0254					0.9960		0.9900
Methacrylonitrile	++++ 0.0232	0.0142 0.0256	0.0175	0.0190	0.0212	Lin2	-0.099	0.0232					0.9920		0.9900
cis-1,2-Dichloroethene	++++ 0.3620	0.3374 0.4165	0.3450	0.3491	0.3634	Ave		0.3622		7.8		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Houston Job No.: 600-100927-1 Analy Batch No.: 146352

SDG No.: _____

Instrument ID: CHVOAMS07 GC Column: DB-VRX 60 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/10/2014 12:45 Calibration End Date: 10/10/2014 16:13 Calibration ID: 4635

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Ethyl acetate	++++ 0.1488	0.0665 0.1645	0.0971	0.1216	0.1347	Lin2	-0.180	0.1503							0.9930		0.9900
Bromochloromethane	++++ 0.1456	0.1421 0.1704	0.1568	0.1414	0.1395	Ave		0.1493				8.1	15.0				
Chloroform	++++ 0.6391	0.6212 0.7140	0.5831	0.5993	0.6255	Ave		0.6304				7.2	15.0				
Tert-butyl ethyl ether	++++ 0.8269	0.5163 0.9339	0.5942	0.6809	0.7978	Lin2	-0.370	0.8403							0.9900		0.9900
Isobutyl alcohol	++++ 0.0103	0.0051 0.0115	0.0037	0.0054	0.0095	Lin	-0.522	0.0118							0.9980		0.9900
2,2-Dichloropropane	++++ 0.2194	0.1932 0.2180	0.2201	0.2009	0.2335	Ave		0.2142				6.8	15.0				
Tetrahydrofuran	++++ 0.0401	0.0222 0.0464	0.0333	0.0361	0.0395	Lin2	-0.041	0.0427							0.9950		0.9900
1,2-Dichloroethane	++++ 0.2871	0.2658 0.3062	0.2803	0.2849	0.2871	Ave		0.2852				4.6	15.0				
n-Butanol					0.0014	Lin	-0.602	0.0033							0.9910		0.9900
1,1,1-Trichloroethane	++++ 0.3954	0.3456 0.4295	0.3519	0.3833	0.4067	Ave		0.3854				8.4	15.0				
1,1-Dichloropropene	++++ 0.4274	0.2694 0.4888	0.2955	0.3749	0.4214	Lin2	-0.200	0.4420							0.9900		0.9900
Cyclohexane	++++ 0.3579	0.2489 0.3974	0.3058	0.3503	0.3751	Lin2	-0.138	0.3821							0.9980		0.9900
Carbon tetrachloride	++++ 0.4035	0.3501 0.4849	0.3191	0.3634	0.4021	Ave		0.3872				15.0	15.0				
Benzene	++++ 1.3491	1.2237 1.5033	1.2333	1.2944	1.3070	Ave		1.3184				7.7	15.0				
2-Nitropropane	++++ 0.1059	0.0632 0.1151	0.0836	0.0845	0.1026	Lin2	-0.092	0.1069							0.9930		0.9900
Tert-amyl methyl ether	++++ 0.5585	0.3249 0.6625	0.3836	0.4535	0.5540	Lin1	-0.472	0.6367							0.9930		0.9900
Ethyl acrylate	++++ 0.1437	0.1578 0.1910	0.1482	0.1021	0.1165	Qua	0.0188	0.1051	0.0017136						1.0000		0.9900
n-Heptane	++++ 0.4308	0.3135 0.4694	0.3222	0.3928	0.4381	Lin2	-0.152	0.4420							0.9940		0.9900
Dibromomethane	++++ 0.1153	0.1123 0.1282	0.1176	0.1111	0.1095	Ave		0.1156				5.9	15.0				
1,2-Dichloropropane	++++ 0.2817	0.2610 0.3160	0.2631	0.2692	0.2751	Ave		0.2777				7.3	15.0				

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Houston Job No.: 600-100927-1 Analy Batch No.: 146352

SDG No.: _____

Instrument ID: CHVOAMS07 GC Column: DB-VRX 60 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/10/2014 12:45 Calibration End Date: 10/10/2014 16:13 Calibration ID: 4635

ANALYTE	LVL 1		LVL 2		RRF			CURVE TYPE		COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 6	LVL 7	LVL 4	LVL 5	LVL 3	LVL 4	LVL 5	TYPE		B	M1	M2								
Trichloroethene	++++ 0.3821	0.3370 0.4828	0.3734	0.3739	0.3415	0.3734	0.3739	Ave			0.3818				14.0		15.0			
Bromodichloromethane	++++ 0.3338	0.2487 0.3779	0.2976	0.3152	0.2889	0.2976	0.3152	Ave			0.3103				14.0		15.0			
Methyl methacrylate	++++ 0.1538	0.0615 0.1629	0.1167	0.1383	0.0792	0.1167	0.1383	Lin1		-0.276	0.1618							0.9970		0.9900
1,4-Dioxane	++++ 0.0007	0.0008 0.0008	0.0006	0.0007	0.0002	0.0006	0.0007	Lin		-0.020	0.0008							0.9980		0.9900
2-Chloroethyl vinyl ether	++++ 0.3655	0.1536 0.4203	0.3098	0.3296	0.1985	0.3098	0.3296	Lin1		-0.714	0.4075							0.9940		0.9900
Methylcyclohexane	++++ 0.4578	0.3387 0.5079	0.3882	0.4545	0.3882	0.4545	0.4789	Ave			0.4377				14.0		15.0			
cis-1,3-Dichloropropene	++++ 1.3246	0.8944 1.5180	0.9196	1.2256	0.8944	1.1009	1.2256	Lin1		-0.955	1.4616							0.9940		0.9900
4-Methyl-2-pentanone (MIBK)	++++ 0.1384	0.0755 0.1492	0.1064	0.1273	0.0925	0.1064	0.1273	Lin1		-0.204	0.1466							0.9970		0.9900
trans-1,3-Dichloropropene	++++ 0.8918	0.6013 1.0455	0.6251	0.6881	0.6251	0.6881	0.7937	Lin1		-0.710	0.9954							0.9900		0.9900
1,1,2-Trichloroethane	0.4878 0.5509	0.5907 0.5965	0.6486	0.5832	0.6486	0.5832	0.5708	Ave			0.5755				8.5		15.0			
trans 2,3-dichlorobutane	++++ 1.3222	1.3464 1.3865	1.2245	1.3103	1.2245	1.3103	1.3412	Ave			1.3218				4.1		15.0			
Ethyl methacrylate	++++ 0.7735	0.2760 0.8943	0.4162	0.5935	0.4162	0.5935	0.6730	Lin1		-0.831	0.8634							0.9920		0.9900
Toluene	++++ 2.9121	2.2392 3.2684	2.4560	2.7580	2.4560	2.7580	2.9103	Ave			2.7573				13.0		15.0			
1,3-Dichloropropane	++++ 1.0172	1.0265 1.0720	0.9296	1.0371	0.9296	1.0371	1.0311	Ave			1.0189				4.7		15.0			
2-Hexanone	++++ 0.3095	0.0473 0.3438	0.1320	0.1970	0.1320	0.1970	0.2757	Lin1		-0.774	0.3381							0.9940		0.9900
cis 2,3-dichlorobutane	++++ 0.9632	0.9281 0.9981	0.9710	0.9348	0.9710	0.9348	1.0019	Ave			0.9662				3.2		15.0			
Chlorodibromomethane	++++ 0.6483	0.5755 0.7310	0.5310	0.5507	0.5310	0.5507	0.6109	Ave			0.6079				12.0		15.0			
n-Butyl acetate	++++ 0.7417	0.3234 0.8746	0.2820	0.4936	0.2820	0.4936	0.6304	Lin		-1.779	0.8965							0.9970		0.9900
1,2-Dibromoethane	++++ 0.4451	0.4899 0.4967	0.4449	0.4357	0.4449	0.4357	0.4352	Ave			0.4579				6.1		15.0			
Tetrachloroethene	++++ 1.3127	1.0232 1.8264	1.0466	1.2489	1.0466	1.2489	1.2717	Qua		0.3738	0.9948	0.0164581						1.0000		0.9900

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Houston Job No.: 600-100927-1 Analy Batch No.: 146352

SDG No.: _____

Instrument ID: CHVOAMS07 GC Column: DB-VRX 60 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/10/2014 12:45 Calibration End Date: 10/10/2014 16:13 Calibration ID: 4635

ANALYTE	RRF			CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	B	M1								
1-Chlorohexane	++++ 0.9065	0.6058 0.9326	0.6502	0.7925	0.8964	-0.344	0.9046						0.9950		0.9900
1,1,1,2-Tetrachloroethane	++++ 0.7801	0.7344 0.8984	0.7534	0.7466	0.8016		0.7858			7.7		15.0			
Chlorobenzene	++++ 2.4227	2.4898 2.6782	2.5018	2.4836	2.4001		2.4960		0.3000	3.9		15.0			
Ethylbenzene	++++ 1.3880	0.9518 1.5619	1.1272	1.2588	1.3407	-0.522	1.4340						0.9960		0.9900
m-Xylene & p-Xylene	++++ 3.0195	1.8930 3.3935	2.1647	2.7084	2.9286	-1.377	3.1137						0.9940		0.9900
Bromoform	++++ 0.3224	0.1876 0.3823	0.2703	0.2723	0.3199	-0.158	0.3418		0.1000				0.9910		0.9900
Styrene	++++ 1.9922	0.8861 2.4761	0.9539	1.4771	1.7715	-5.150	2.5277						0.9950		0.9900
Cyclohexanone	++++ 0.0109	0.0060 0.0134	0.0059	0.0085	0.0092	-1.358	0.0137						0.9940		0.9900
1,1,2,2-Tetrachloroethane	++++ 0.5946	0.6461 0.6811	0.6287	0.6009	0.6237		0.6292		0.3000	5.0		15.0			
o-Xylene	++++ 1.5955	0.9196 1.8065	1.3588	1.5157	1.5552	-0.769	1.6983						0.9970		0.9900
trans-1,4-Dichloro-2-butene	++++ 0.1114	0.1137 0.1324	0.1001	0.0954	0.1197		0.1121			12.0		15.0			
1,2,3-Trichloropropane	++++ 0.1675	0.2624 0.1790	0.1933	0.1919	0.1831	0.0844	0.1699						0.9940		0.9900
Isopropylbenzene	++++ 4.3943	2.3502 5.0903	2.8652	3.8440	4.7400	-2.652	4.7072						0.9900		0.9900
Bromobenzene	0.9747 0.8996	0.8975 1.0391	0.8164	0.8280	0.9480		0.9148			8.7		15.0			
N-Propylbenzene	++++ 1.1801	0.6168 1.4399	0.8541	1.0389	1.2446	-0.726	1.2887						0.9910		0.9900
2-Chlorotoluene	++++ 1.0207	0.7056 1.1999	0.7955	1.0042	1.0991	-0.453	1.1121						0.9940		0.9900
4-Chlorotoluene	++++ 2.8864	1.7542 3.3086	2.2146	2.6737	3.0240	-1.436	3.0913						0.9960		0.9900
1,3,5-Trimethylbenzene	++++ 3.3566	1.9047 4.1409	2.5097	3.0576	3.5793	-1.946	3.6980						0.9910		0.9900
Pentachloroethane	++++ 0.1697	0.4026 0.1232	0.3015	0.2035	0.2188	0.2136	0.1929	-0.001481					0.9980		0.9900
tert-Butylbenzene	++++ 2.9767	1.6627 3.5604	2.1054	2.5730	3.0431	-1.677	3.1763						0.9900		0.9900

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Houston Job No.: 600-100927-1 Analy Batch No.: 146352

SDG No.: _____

Instrument ID: CHVOAMS07 GC Column: DB-VRX 60 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/10/2014 12:45 Calibration End Date: 10/10/2014 16:13 Calibration ID: 4635

ANALYTE	LVL 1		LVL 2		RRF		CURVE TYPE		COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 6	LVL 7	LVL 4	LVL 5	LVL 3	LVL 4	LVL 5	TYPE	B	M1	M2								
1,2,4-Trimethylbenzene	++++ 3.4830	2.0509 4.1968	3.1149	3.4996	2.5678	3.1149	3.4996	Lin2	-1.845	3.7273							0.9910		0.9900
Benzyl chloride	++++ 0.6730	0.4952 0.7770	0.6077	0.6892	0.5159	0.6077	0.6892	Lin2	-0.248	0.7036							0.9910		0.9900
sec-Butylbenzene	++++ 4.4033	2.6677 5.1554	4.1162	4.3899	3.4989	4.1162	4.3899	Lin2	-2.152	4.7093							0.9950		0.9900
1,3-Dichlorobenzene	++++ 1.9863	1.6828 2.3854	1.9613	2.0032	1.7928	1.9613	2.0032	Ave		1.9686			12.0			15.0			
1,4-Dichlorobenzene	++++ 2.1526	2.0463 2.8505	2.0581	2.1715	2.0398	2.0581	2.1715	Ave		2.2198			14.0			15.0			
p-Isopropyltoluene	++++ 4.2062	2.9425 5.5328	3.7863	4.1996	3.3256	3.7863	4.1996	Lin	-10.08	5.5882							0.9920		0.9900
1,2,3-Trimethylbenzene	++++ 3.5092	2.3047 4.1801	3.2983	3.4007	2.5543	3.2983	3.4007	Lin2	-1.608	3.7091							0.9900		0.9900
1,2-Dichlorobenzene	++++ 1.6395	1.4376 1.8756	1.6412	1.6790	1.5033	1.6412	1.6790	Ave		1.6294			9.3			15.0			
n-Butylbenzene	++++ 3.3687	2.0359 3.9211	3.1708	3.4015	2.3797	3.1708	3.4015	Lin2	-1.735	3.5872							0.9930		0.9900
1,2-Dibromo-3-Chloropropane	++++ 0.0590	0.0802 0.0678	0.0631	0.0584	0.0795	0.0631	0.0584	Ave		0.0680			14.0			15.0			
1,2,4-Trichlorobenzene	++++ 1.2083	0.8706 1.2110	1.0972	1.1738	0.9162	1.0972	1.1738	Ave		1.0795			14.0			15.0			
1,3,5-Trichlorobenzene	++++ 0.7221	0.4659 0.6979	0.5447	0.6724	0.3855	0.5447	0.6724	Lin1	-0.413	0.7103							0.9970		0.9900
Naphthalene	++++ 0.9474	0.4106 1.0379	0.5274	0.7850	0.3572	0.5274	0.7850	Lin	-1.924	1.0682							0.9980		0.9900
Hexachlorobutadiene	++++ 0.2532	0.2787 0.2204	0.2840	0.2564	0.2840	0.2564	0.2690	Ave		0.2603			8.8			15.0			
1,2,3-Trichlorobenzene	++++ 0.4531	0.3813 0.3888	0.3138	0.3482	0.3138	0.3482	0.4484	Ave		0.3889			14.0			15.0			
Dibromofluoromethane	0.3829 0.3106	0.2944 0.3575	0.3064	0.2962	0.3064	0.2962	0.3184	Ave		0.3238			10.0			15.0			
1,2-Dichloroethane-d4 (Surr)	0.3460 0.2413	0.2373 0.2555	0.2346	0.2392	0.2346	0.2392	0.2366	Lin1	0.0142	0.2479							0.9980		0.9900
Toluene-d8 (Surr)	3.7858 4.0356	3.0251 4.5192	3.5695	3.7949	3.5695	3.7949	4.1176	Ave		3.8354			12.0			15.0			
4-Bromofluorobenzene	++++ 1.0200	0.6927 1.2014	0.9625	1.0142	0.9625	1.0142	1.0915	Lin2	-0.422	1.1284							0.9960		0.9900

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Houston Job No.: 600-100927-1 Analy Batch No.: 146352

SDG No.: _____

Instrument ID: CHVOAMS07 GC Column: DB-VRX 60 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/10/2014 12:45 Calibration End Date: 10/10/2014 16:13 Calibration ID: 4635

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 600-146352/2	A28301.D
Level 2	IC 600-146352/3	A28302A.D
Level 3	IC 600-146352/4	A28303.D
Level 4	IC 600-146352/5	A28304.D
Level 5	ICIS 600-146352/6	A28305.D
Level 6	IC 600-146352/7	A28306.D
Level 7	IC 600-146352/8	A28307.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Lin2	++++ 102478	5746 293287	9573	24373	51822	++++ 20.0	1.00 50.0	2.00	5.00	10.0
Chloromethane	FB	Lin2	++++ 150863	7596 446591	13237	35325	76748	++++ 20.0	1.00 50.0	2.00	5.00	10.0
Vinyl chloride	FB	Ave	++++ 211870	9049 548236	18480	48381	108721	++++ 20.0	1.00 50.0	2.00	5.00	10.0
Butadiene	FB	Ave	++++ 219329	9270 664853	19366	48273	110666	++++ 20.0	1.00 50.0	2.00	5.00	10.0
Bromomethane	FB	Ave	++++ 114176	3912 392394	8317	22937	46346	++++ 20.0	1.00 50.0	2.00	5.00	10.0
Ethanol	FB	Lin1	++++ 41014	920 151806	2299	5334	18233	++++ 1000	50.0 2500	100	250	500
Chloroethane	FB	Ave	++++ 117698	4334 379954	8131	22181	51948	++++ 20.0	1.00 50.0	2.00	5.00	10.0
Dichlorofluoromethane	FB	Ave	++++ 342557	10927 1101587	24851	64349	147027	++++ 20.0	1.00 50.0	2.00	5.00	10.0
Acetonitrile	FB	Lin	++++ 65153	1948 244217	3087	9798	26120	++++ 200	10.0 500	20.0	50.0	100
Acrolein	FB	Lin	++++ 54578	1241 224640	2229	8640	23447	++++ 100	5.00 250	10.0	25.0	50.0
Trichlorofluoromethane	FB	Ave	++++ 293921	10915 983674	20764	54239	128907	++++ 20.0	1.00 50.0	2.00	5.00	10.0
Isopropyl alcohol	FB	Lin	++++ 49820	1537 199173	2292	5747	20480	++++ 200	10.0 500	20.0	50.0	100
Acetone	FB	Lin1	++++ 60800	1242 210713	3219	8087	28587	++++ 40.0	2.00 100	4.00	10.0	20.0
Ethyl ether	FB	Lin1	++++ 171717	4652 633699	9191	29727	77710	++++ 20.0	1.00 50.0	2.00	5.00	10.0
t-Butanol	FB	Lin	++++ 83416	1775 344165	4418	12493	38143	++++ 200	10.0 500	20.0	50.0	100

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Houston Job No.: 600-100927-1 Analy Batch No.: 146352

SDG No.: _____

Instrument ID: CHVOAMS07 GC Column: DB-VRX 60 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/10/2014 12:45 Calibration End Date: 10/10/2014 16:13 Calibration ID: 4635

ANALYTE	IS REF	CURVE TYPE	RESPONSE				CONCENTRATION (UG/L)					
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,1-Dichloroethene	FB	Ave	++++ 204107	5432 761565	13176	35805	96172	++++ 20.0	1.00 50.0	2.00	5.00	10.0
Acrylonitrile	FB	Lin1	++++ 333700	7118 1224452	16337	55069	147244	++++ 200	10.0 500	20.0	50.0	100
Iodomethane	FB	Ave	++++ 390848	11127 1422173	24947	75005	182219	++++ 20.0	1.00 50.0	2.00	5.00	10.0
Methylene Chloride	FB	Lin2	++++ 262305	16489 935504	25279	58395	130439	++++ 20.0	1.00 50.0	2.00	5.00	10.0
Methyl acetate	FB	Lin2	++++ 535060	12977 1927277	32500	92813	244192	++++ 100	5.00 250	10.0	25.0	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	++++ 115779	5345 407555	8426	24014	55184	++++ 20.0	1.00 50.0	2.00	5.00	10.0
3-Chloro-1-propene	FB	Lin2	++++ 126729	3215 471115	7373	23004	57358	++++ 20.0	1.00 50.0	2.00	5.00	10.0
Carbon disulfide	FB	Ave	++++ 522231	16160 1838768	34685	97856	250367	++++ 20.0	1.00 50.0	2.00	5.00	10.0
trans-1,2-Dichloroethene	FB	Ave	++++ 269034	7963 1006820	16980	48484	119474	++++ 20.0	1.00 50.0	2.00	5.00	10.0
Methyl tert-butyl ether	FB	Lin1	++++ 444577	9168 1649085	22980	71867	202456	++++ 20.0	1.00 50.0	2.00	5.00	10.0
Propionitrile	FB	Lin1	++++ 120699	2638 459950	6584	19286	53537	++++ 200	10.0 500	20.0	50.0	100
1,1-Dichloroethane	FB	Ave	++++ 493684	15276 1730235	35022	91664	234187	++++ 20.0	1.00 50.0	2.00	5.00	10.0
Vinyl acetate	FB	Lin2	++++ 468394	7723 1508813	21363	70473	204178	++++ 40.0	2.00 100	4.00	10.0	20.0
2-Chloro-1,3-butadiene	FB	Lin2	++++ 424657	7986 1593498	20923	69732	195084	++++ 20.0	1.00 50.0	2.00	5.00	10.0
Hexane	FB	Lin2	++++ 338697	7642 1221093	20274	61722	163574	++++ 20.0	1.00 50.0	2.00	5.00	10.0
Isopropyl ether	FB	Ave	++++ 999309	24304 3524658	61317	178336	478647	++++ 20.0	1.00 50.0	2.00	5.00	10.0
2-Butanone (MEK)	FB	Lin	++++ 34394	466 132788	2357	5394	14593	++++ 40.0	2.00 100	4.00	10.0	20.0
Methacrylonitrile	FB	Lin2	++++ 190506	4081 680044	10485	30731	83600	++++ 200	10.0 500	20.0	50.0	100
cis-1,2-Dichloroethene	FB	Ave	++++ 297084	9715 1106083	20700	56519	143005	++++ 20.0	1.00 50.0	2.00	5.00	10.0
Ethyl acetate	FB	Lin2	++++ 244292	3830 873686	11651	39368	106007	++++ 40.0	2.00 100	4.00	10.0	20.0
Bromochloromethane	FB	Ave	++++ 119467	4090 452515	9407	22887	54886	++++ 20.0	1.00 50.0	2.00	5.00	10.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Houston Job No.: 600-100927-1 Analy Batch No.: 146352

SDG No.: _____

Instrument ID: CHVOAMS07 GC Column: DB-VRX 60 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/10/2014 12:45 Calibration End Date: 10/10/2014 16:13 Calibration ID: 4635

ANALYTE	IS REF	CURVE TYPE	RESPONSE				CONCENTRATION (UG/L)					
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Chloroform	FB	Ave	++++ 524516	17885 1896276	34982	97034	246111	++++ 20.0	1.00 50.0	2.00	5.00	10.0
Tert-butyl ethyl ether	FB	Lin2	++++ 678660	14863 2480259	35646	110241	313924	++++ 20.0	1.00 50.0	2.00	5.00	10.0
Isobutyl alcohol	FB	Lin	++++ 211379	3643 765471	5478	21714	93691	++++ 500	25.0 1250	50.0	125	250
2,2-Dichloropropane	FB	Ave	++++ 180064	5562 578892	13203	32524	91866	++++ 20.0	1.00 50.0	2.00	5.00	10.0
Tetrahydrofuran	FB	Lin2	++++ 65899	1277 246398	3999	11681	31096	++++ 40.0	2.00 100	4.00	10.0	20.0
1,2-Dichloroethane	FB	Ave	++++ 235623	7652 813060	16813	46133	112976	++++ 20.0	1.00 50.0	2.00	5.00	10.0
n-Butanol	FB	Lin	35455	188756			13915	500	1250			250
1,1,1-Trichloroethane	FB	Ave	++++ 324464	9951 1140646	21112	62069	160037	++++ 20.0	1.00 50.0	2.00	5.00	10.0
1,1-Dichloropropene	FB	Lin2	++++ 350726	7757 1298034	17730	60708	165794	++++ 20.0	1.00 50.0	2.00	5.00	10.0
Cyclohexane	FB	Lin2	++++ 293743	7166 1055317	18348	56715	147594	++++ 20.0	1.00 50.0	2.00	5.00	10.0
Carbon tetrachloride	FB	Ave	++++ 331176	10079 1287635	19146	58834	158235	++++ 20.0	1.00 50.0	2.00	5.00	10.0
Benzene	FB	Ave	++++ 1107173	35229 3992231	73990	209573	514262	++++ 20.0	1.00 50.0	2.00	5.00	10.0
2-Nitropropane	FB	Lin2	++++ 173889	3639 611462	10033	27370	80765	++++ 40.0	2.00 100	4.00	10.0	20.0
Tert-amyl methyl ether	FB	Lin1	++++ 458334	9355 1759491	23015	73425	217991	++++ 20.0	1.00 50.0	2.00	5.00	10.0
Ethyl acrylate	FB	Qua	++++ 117921	4543 507328	8891	16529	45858	++++ 20.0	1.00 50.0	2.00	5.00	10.0
n-Heptane	FB	Lin2	++++ 353538	9025 1246696	19332	63598	172391	++++ 20.0	1.00 50.0	2.00	5.00	10.0
Dibromomethane	FB	Ave	++++ 94600	3233 340445	7053	17988	43075	++++ 20.0	1.00 50.0	2.00	5.00	10.0
1,2-Dichloropropane	FB	Ave	++++ 231164	7514 839291	15781	43595	108240	++++ 20.0	1.00 50.0	2.00	5.00	10.0
Trichloroethene	FB	Ave	++++ 313623	9703 1282114	20487	60466	147119	++++ 20.0	1.00 50.0	2.00	5.00	10.0
Bromodichloromethane	FB	Ave	++++ 273988	7159 1003480	17330	48180	124043	++++ 20.0	1.00 50.0	2.00	5.00	10.0
Methyl methacrylate	FB	Lin1	++++ 252407	3540 865484	9504	37798	108811	++++ 40.0	2.00 100	4.00	10.0	20.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Houston Job No.: 600-100927-1 Analy Batch No.: 146352

SDG No.:

Instrument ID: CHVOAMS07 GC Column: DB-VRX 60 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/10/2014 12:45 Calibration End Date: 10/10/2014 16:13 Calibration ID: 4635

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,4-Dioxane	FB	Lin	++++ 12011	475 43259	219	1956	5668	++++ 400	20.0 1000	40.0	100	200
2-Chloroethyl vinyl ether	CBZ	Lin1	++++ 157854	2035 586347	5779	26037	64967	++++ 40.0	2.00 100	4.00	10.0	20.0
Methylcyclohexane	FB	Ave	++++ 375723	9751 1348801	23288	73591	188439	++++ 20.0	1.00 50.0	2.00	5.00	10.0
cis-1,3-Dichloropropene	CBZ	Lin1	++++ 286052	5925 1058831	13383	46257	120789	++++ 20.0	1.00 50.0	2.00	5.00	10.0
4-Methyl-2-pentanone (MIBK)	FB	Lin1	++++ 227158	4349 792419	11097	34445	100159	++++ 40.0	2.00 100	4.00	10.0	20.0
trans-1,3-Dichloropropene	CBZ	Lin1	++++ 192587	3983 729237	9098	28910	78221	++++ 20.0	1.00 50.0	2.00	5.00	10.0
1,1,2-Trichloroethane	CBZ	Ave	1454 118965	3913 416106	9440	24504	56253	0.500 20.0	1.00 50.0	2.00	5.00	10.0
trans 2,3-dichlorobutane	CBZ	Ave	++++ 285518	8919 967106	17820	55055	132181	++++ 20.0	1.00 50.0	2.00	5.00	10.0
Ethyl methacrylate	CBZ	Lin1	++++ 167040	1828 623795	6057	24935	66322	++++ 20.0	1.00 50.0	2.00	5.00	10.0
Toluene	CBZ	Ave	++++ 628861	14833 2279785	35743	115881	286814	++++ 20.0	1.00 50.0	2.00	5.00	10.0
1,3-Dichloropropane	CBZ	Ave	++++ 219660	6800 747714	13529	43573	101621	++++ 20.0	1.00 50.0	2.00	5.00	10.0
2-Hexanone	CBZ	Lin1	++++ 133651	627 479656	3843	16553	54339	++++ 40.0	2.00 100	4.00	10.0	20.0
cis 2,3-dichlorobutane	CBZ	Ave	++++ 208009	6148 696178	14132	39278	98742	++++ 20.0	1.00 50.0	2.00	5.00	10.0
Chlorodibromomethane	CBZ	Ave	++++ 139998	3812 509922	7728	23137	60209	++++ 20.0	1.00 50.0	2.00	5.00	10.0
n-Butyl acetate	CBZ	Lin	++++ 160168	2142 610044	4104	20738	62124	++++ 20.0	1.00 50.0	2.00	5.00	10.0
1,2-Dibromoethane	CBZ	Ave	++++ 96114	3245 346479	6475	18305	42894	++++ 20.0	1.00 50.0	2.00	5.00	10.0
Tetrachloroethene	CBZ	Qua	++++ 283481	6778 1273965	15231	52474	125328	++++ 20.0	1.00 50.0	2.00	5.00	10.0
1-Chlorohexane	CBZ	Lin2	++++ 195755	4013 650485	9462	33297	88341	++++ 20.0	1.00 50.0	2.00	5.00	10.0
1,1,1,2-Tetrachloroethane	CBZ	Ave	++++ 168467	4865 626629	10964	31371	79004	++++ 20.0	1.00 50.0	2.00	5.00	10.0
Chlorobenzene	CBZ	Ave	++++ 523181	16493 1868091	36410	104350	236532	++++ 20.0	1.00 50.0	2.00	5.00	10.0
Ethylbenzene	CBZ	Lin2	++++ 299726	6305 1089437	16405	52891	132127	++++ 20.0	1.00 50.0	2.00	5.00	10.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Houston Job No.: 600-100927-1 Analy Batch No.: 146352

SDG No.: _____

Instrument ID: CHVOAMS07 GC Column: DB-VRX 60 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/10/2014 12:45 Calibration End Date: 10/10/2014 16:13 Calibration ID: 4635

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
m-Xylene & p-Xylene	CBZ	Lin2	++++ 652051	12540 2367024	31504	113797	288618	++++ 20.0	1.00 50.0	2.00	5.00	10.0
Bromoform	DCB	Lin2	++++ 59898	1011 230566	3385	9575	24505	++++ 20.0	1.00 50.0	2.00	5.00	10.0
Styrene	CBZ	Lin	++++ 430205	5870 1727122	13883	62062	174588	++++ 20.0	1.00 50.0	2.00	5.00	10.0
Cyclohexanone	CBZ	Lin	++++ 117207	2000 467707	4270	17777	45510	++++ 1000	50.0 2500	100	250	500
1,1,2,2-Tetrachloroethane	DCB	Ave	++++ 110474	3482 410795	7873	21131	47781	++++ 20.0	1.00 50.0	2.00	5.00	10.0
o-Xylene	CBZ	Lin2	++++ 344537	6092 1260099	19775	63684	153268	++++ 20.0	1.00 50.0	2.00	5.00	10.0
trans-1,4-Dichloro-2-butene	DCB	Ave	++++ 20697	613 79868	1254	3356	9172	++++ 20.0	1.00 50.0	2.00	5.00	10.0
1,2,3-Trichloropropane	DCB	Lin2	++++ 31116	1414 107958	2421	6749	14024	++++ 20.0	1.00 50.0	2.00	5.00	10.0
Isopropylbenzene	DCB	Lin2	++++ 816413	12666 3070276	35880	135179	363138	++++ 20.0	1.00 50.0	2.00	5.00	10.0
Bromobenzene	DCB	Ave	2105 167132	4837 626731	10223	29119	72630	0.500 20.0	1.00 50.0	2.00	5.00	10.0
N-Propylbenzene	DCB	Lin2	++++ 219258	3324 868494	10695	36535	95353	++++ 20.0	1.00 50.0	2.00	5.00	10.0
2-Chlorotoluene	DCB	Lin2	++++ 189628	3803 723733	9962	35315	84207	++++ 20.0	1.00 50.0	2.00	5.00	10.0
4-Chlorotoluene	DCB	Lin2	++++ 536273	9454 1995640	27733	94025	231670	++++ 20.0	1.00 50.0	2.00	5.00	10.0
1,3,5-Trimethylbenzene	DCB	Lin2	++++ 623631	10265 2497661	31428	107524	274218	++++ 20.0	1.00 50.0	2.00	5.00	10.0
Pentachloroethane	DCB	Qua	++++ 31534	2170 74318	3776	7155	16759	++++ 20.0	1.00 50.0	2.00	5.00	10.0
tert-Butylbenzene	DCB	Lin2	++++ 553038	8961 2147548	26365	90482	233132	++++ 20.0	1.00 50.0	2.00	5.00	10.0
1,2,4-Trimethylbenzene	DCB	Lin2	++++ 647099	11053 2531357	32156	109540	268109	++++ 20.0	1.00 50.0	2.00	5.00	10.0
Benzyl chloride	DCB	Lin2	++++ 125046	2669 468687	6461	21371	52804	++++ 20.0	1.00 50.0	2.00	5.00	10.0
sec-Butylbenzene	DCB	Lin2	++++ 818098	14377 3109601	43815	144752	336319	++++ 20.0	1.00 50.0	2.00	5.00	10.0
1,3-Dichlorobenzene	DCB	Ave	++++ 369043	9069 1438819	22450	68971	153466	++++ 20.0	1.00 50.0	2.00	5.00	10.0
1,4-Dichlorobenzene	DCB	Ave	++++ 399927	11028 1719332	25543	72376	166364	++++ 20.0	1.00 50.0	2.00	5.00	10.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Houston Job No.: 600-100927-1 Analy Batch No.: 146352

SDG No.: _____

Instrument ID: CHVOAMS07 GC Column: DB-VRX 60 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/10/2014 12:45 Calibration End Date: 10/10/2014 16:13 Calibration ID: 4635

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
p-Isopropyltoluene	DCB	Lin	++++ 781471	15858 3337200	41645	133149	321740	++++ 20.0	1.00 50.0	2.00	5.00	10.0
1,2,3-Trimethylbenzene	DCB	Lin2	++++ 651972	12421 2521293	31987	115989	260528	++++ 20.0	1.00 50.0	2.00	5.00	10.0
1,2-Dichlorobenzene	DCB	Ave	++++ 304603	7748 1131313	18825	57716	128630	++++ 20.0	1.00 50.0	2.00	5.00	10.0
n-Butylbenzene	DCB	Lin2	++++ 625870	10972 2365069	29800	111506	260595	++++ 20.0	1.00 50.0	2.00	5.00	10.0
1,2-Dibromo-3-Chloropropane	DCB	Ave	++++ 10961	432 40917	996	2220	4472	++++ 20.0	1.00 50.0	2.00	5.00	10.0
1,2,4-Trichlorobenzene	DCB	Ave	++++ 224493	4692 730407	11473	38585	89923	++++ 20.0	1.00 50.0	2.00	5.00	10.0
1,3,5-Trichlorobenzene	DCB	Lin1	++++ 134166	2511 420953	4827	19156	51515	++++ 20.0	1.00 50.0	2.00	5.00	10.0
Naphthalene	DCB	Lin	++++ 176020	2213 626055	4473	18548	60143	++++ 20.0	1.00 50.0	2.00	5.00	10.0
Hexachlorobutadiene	DCB	Ave	++++ 47046	1502 132955	3557	9018	20605	++++ 20.0	1.00 50.0	2.00	5.00	10.0
1,2,3-Trichlorobenzene	DCB	Ave	++++ 84180	2055 234488	3929	12244	34351	++++ 20.0	1.00 50.0	2.00	5.00	10.0
Dibromofluoromethane	FB	Ave	5105 254888	8476 949365	18382	47957	125280	0.500 20.0	1.00 50.0	2.00	5.00	10.0
1,2-Dichloroethane-d4 (Surr)	FB	Lin1	4613 198033	6831 678507	14072	38734	93099	0.500 20.0	1.00 50.0	2.00	5.00	10.0
Toluene-d8 (Surr)	CBZ	Ave	11284 871475	20039 3152258	51948	159446	405797	0.500 20.0	1.00 50.0	2.00	5.00	10.0
4-Bromofluorobenzene	DCB	Lin2	++++ 189508	3733 724663	12053	35667	83619	++++ 20.0	1.00 50.0	2.00	5.00	10.0

Curve Type Legend:
Ave = Average ISTD
Lin = Linear ISTD
Lin1 = Linear 1/conc ISTD
Lin2 = Linear 1/conc^2 ISTD
Qua = Quadratic ISTD

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Houston Job No.: 600-100927-1

SDG No.: _____

Lab Sample ID: CCVIS 600-147711/2 Calibration Date: 10/26/2014 09:54

Instrument ID: CHVOAMS07 Calib Start Date: 10/10/2014 12:45

GC Column: DB-VRX 60 ID: 0.25 (mm) Calib End Date: 10/10/2014 16:13

Lab File ID: A29901.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Lin2		0.0807		6.00	10.0	-40.0*	35.0
Chloromethane	Lin2		0.1224	0.1000	6.26	10.0	-37.4*	35.0
Vinyl chloride	Ave	0.2770	0.2310		8.34	10.0	-16.6	20.0
Butadiene	Ave	0.2903	0.1991		6.86	10.0	-31.4	35.0
Bromomethane	Ave	0.1368	0.1425		10.4	10.0	4.1	35.0
Ethanol	Lin1		0.0008		405	500	-19.1	35.0
Chloroethane	Ave	0.1403	0.1336		9.53	10.0	-4.7	35.0
Dichlorofluoromethane	Ave	0.3995	0.4147		10.4	10.0	3.8	35.0
Acetonitrile	Lin		0.0049		68.1	100	-31.9	50.0
Acrolein	Lin		0.0023		16.8	50.0	-66.4*	50.0
Trichlorofluoromethane	Ave	0.3527	0.4529		12.8	10.0	28.4	35.0
Isopropyl alcohol	Lin		0.0041		73.5	100	-26.6	50.0
Acetone	Lin1		0.0251		14.2	20.0	-29.2	50.0
Ethyl ether	Lin1		0.1449		6.85	10.0	-31.5	50.0
t-Butanol	Lin		0.0078		78.1	100	-21.9	35.0
1,1-Dichloroethene	Ave	0.2349	0.2004		8.53	10.0	-14.7	20.0
Acrylonitrile	Lin1		0.0274		68.2	100	-31.8	50.0
Iodomethane	Ave	0.4567	0.4895		10.7	10.0	7.2	35.0
Methylene Chloride	Lin2		0.3012		8.74	10.0	-12.6	50.0
Methyl acetate	Lin2		0.0845		33.5	50.0	-33.1	35.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.1515	0.1501		9.90	10.0	-1.0	35.0
3-Chloro-1-propene	Lin2		0.1217		7.98	10.0	-20.2	35.0
Carbon disulfide	Ave	0.6181	0.4429		7.16	10.0	-28.4	35.0
trans-1,2-Dichloroethene	Ave	0.3116	0.2792		8.96	10.0	-10.4	35.0
Methyl tert-butyl ether	Lin1		0.4484		8.16	10.0	-18.4	35.0
Propionitrile	Lin1		0.0109		73.1	100	-26.9	35.0
1,1-Dichloroethane	Ave	0.5881	0.4810	0.1000	8.18	10.0	-18.2	35.0
Vinyl acetate	Lin2		0.1954		15.4	20.0	-23.2	50.0
2-Chloro-1,3-butadiene	Lin2		0.3550		7.18	10.0	-28.2	35.0
Hexane	Lin2		0.2439		6.03	10.0	-39.7*	35.0
2-Butanone (MEK)	Lin		0.0175		17.0	20.0	-15.0	50.0
Isopropyl ether	Ave	1.121	0.8350		7.45	10.0	-25.5	35.0
Methacrylonitrile	Lin2		0.0163		74.5	100	-25.5	35.0
cis-1,2-Dichloroethene	Ave	0.3622	0.3468		9.57	10.0	-4.3	35.0
Ethyl acetate	Lin2		0.0929		13.6	20.0	-32.2	35.0
Bromochloromethane	Ave	0.1493	0.1536		10.3	10.0	2.9	35.0
Chloroform	Ave	0.6304	0.6206		9.84	10.0	-1.6	20.0
Tert-butyl ethyl ether	Lin2		0.6032		7.62	10.0	-23.8	35.0
Isobutyl alcohol	Lin		0.0068		187	250	-25.0	50.0
2,2-Dichloropropane	Ave	0.2142	0.2205		10.3	10.0	2.9	35.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Houston Job No.: 600-100927-1

SDG No.: _____

Lab Sample ID: CCVIS 600-147711/2 Calibration Date: 10/26/2014 09:54

Instrument ID: CHVOAMS07 Calib Start Date: 10/10/2014 12:45

GC Column: DB-VRX 60 ID: 0.25 (mm) Calib End Date: 10/10/2014 16:13

Lab File ID: A29901.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Tetrahydrofuran	Lin2		0.0259		13.1	20.0	-34.5	35.0
1,2-Dichloroethane	Ave	0.2852	0.2360		8.27	10.0	-17.3	35.0
1,1,1-Trichloroethane	Ave	0.3854	0.4157		10.8	10.0	7.8	35.0
1,1-Dichloropropene	Lin2		0.3580		8.55	10.0	-14.5	35.0
Cyclohexane	Lin2		0.3214		8.77	10.0	-12.3	35.0
Carbon tetrachloride	Ave	0.3872	0.4154		10.7	10.0	7.3	35.0
Benzene	Ave	1.318	1.148		8.70	10.0	-13.0	35.0
2-Nitropropane	Lin2		0.0758		15.0	20.0	-24.8	35.0
Tert-amyl methyl ether	Lin1		0.4816		8.31	10.0	-16.9	35.0
Ethyl acrylate	Qua		0.1558		12.2	10.0	22.1	35.0
n-Heptane	Lin2		0.3047		7.24	10.0	-27.6	35.0
Dibromomethane	Ave	0.1156	0.1014		8.77	10.0	-12.3	35.0
1,2-Dichloropropene	Ave	0.2777	0.2753		9.92	10.0	-0.9	20.0
Trichloroethene	Ave	0.3818	0.4228		11.1	10.0	10.7	35.0
Bromodichloromethane	Ave	0.3103	0.2927		9.43	10.0	-5.7	35.0
Methyl methacrylate	Lin1		0.0958		13.5	20.0	-32.3	50.0
1,4-Dioxane	Lin		0.0005		146	200	-27.2	50.0
2-Chloroethyl vinyl ether	Lin1		0.2779		15.4	20.0	-23.1	35.0
Methylcyclohexane	Ave	0.4377	0.4425		10.1	10.0	1.1	35.0
cis-1,3-Dichloropropene	Lin1		1.141		8.46	10.0	-15.4	35.0
4-Methyl-2-pentanone (MIBK)	Lin1		0.1164		17.3	20.0	-13.6	50.0
trans-1,3-Dichloropropene	Lin1		0.6922		7.67	10.0	-23.3	35.0
1,1,2-Trichloroethane	Ave	0.5755	0.5951		10.3	10.0	3.4	35.0
Ethyl methacrylate	Lin1		0.5769		7.65	10.0	-23.6	50.0
Toluene	Ave	2.757	2.876		10.4	10.0	4.3	20.0
1,3-Dichloropropene	Ave	1.019	0.9579		9.40	10.0	-6.0	35.0
2-Hexanone	Lin1		0.2584		17.6	20.0	-12.1	50.0
Chlorodibromomethane	Ave	0.6079	0.6468		10.6	10.0	6.4	35.0
n-Butyl acetate	Lin		0.4179		6.65	10.0	-33.5	35.0
1,2-Dibromoethane	Ave	0.4579	0.4565		9.97	10.0	-0.3	35.0
Tetrachloroethene	Qua		1.201		10.0	10.0	0.3	35.0
1-Chlorohexane	Lin2		0.7747		8.94	10.0	-10.6	35.0
1,1,1,2-Tetrachloroethane	Ave	0.7858	0.9472		12.1	10.0	20.5	35.0
Chlorobenzene	Ave	2.496	2.670	0.3000	10.7	10.0	7.0	35.0
Ethylbenzene	Lin2		1.494		10.8	10.0	7.8	20.0
m-Xylene & p-Xylene	Lin2		2.985		10.0	10.0	0.3	35.0
Bromoform	Lin2		0.3394	0.1000	10.4	10.0	3.9	35.0
Styrene	Lin		1.782		9.09	10.0	-9.1	35.0
Cyclohexanone	Lin		0.0079		388	500	-22.4	50.0
1,1,2,2-Tetrachloroethane	Ave	0.6292	0.4171	0.3000	6.63	10.0	-33.7	35.0
o-Xylene	Lin2		1.684		10.4	10.0	3.7	35.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Houston Job No.: 600-100927-1
 SDG No.: _____
 Lab Sample ID: CCVIS 600-147711/2 Calibration Date: 10/26/2014 09:54
 Instrument ID: CHVOAMS07 Calib Start Date: 10/10/2014 12:45
 GC Column: DB-VRX 60 ID: 0.25 (mm) Calib End Date: 10/10/2014 16:13
 Lab File ID: A29901.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
trans-1,4-Dichloro-2-butene	Ave	0.1121	0.1133		10.1	10.0	1.0	50.0
1,2,3-Trichloropropane	Lin2		0.1408		7.79	10.0	-22.1	35.0
Isopropylbenzene	Lin2		3.477		7.95	10.0	-20.5	35.0
Bromobenzene	Ave	0.9148	0.8599		9.40	10.0	-6.0	35.0
N-Propylbenzene	Lin2		1.031		8.56	10.0	-14.4	35.0
2-Chlorotoluene	Lin2		0.9158		8.64	10.0	-13.6	35.0
4-Chlorotoluene	Lin2		2.216		7.63	10.0	-23.7	35.0
1,3,5-Trimethylbenzene	Lin2		2.765		8.00	10.0	-20.0	35.0
Pentachloroethane	Qua		0.4231		26.0	10.0	160.3*	35.0
tert-Butylbenzene	Lin2		2.571		8.62	10.0	-13.8	35.0
1,2,4-Trimethylbenzene	Lin2		2.833		8.10	10.0	-19.1	35.0
Benzyl chloride	Lin2		0.5299		7.88	10.0	-21.2	35.0
sec-Butylbenzene	Lin2		3.750		8.42	10.0	-15.8	35.0
1,3-Dichlorobenzene	Ave	1.969	1.879		9.55	10.0	-4.5	35.0
1,4-Dichlorobenzene	Ave	2.220	1.923		8.66	10.0	-13.4	35.0
p-Isopropyltoluene	Lin		3.548		8.15	10.0	-18.5	35.0
1,2,3-Trimethylbenzene	Lin2		2.850		8.12	10.0	-18.8	35.0
1,2-Dichlorobenzene	Ave	1.629	1.531		9.40	10.0	-6.0	35.0
n-Butylbenzene	Lin2		2.756		8.17	10.0	-18.3	35.0
1,2-Dibromo-3-Chloropropane	Ave	0.0680	0.0701		10.3	10.0	3.1	35.0
1,2,4-Trichlorobenzene	Ave	1.080	1.197		11.1	10.0	10.9	35.0
1,3,5-Trichlorobenzene	Lin1		0.7380		11.0	10.0	9.7	35.0
Naphthalene	Lin		0.7714		9.02	10.0	-9.8	35.0
Hexachlorobutadiene	Ave	0.2603	0.3999		15.4	10.0	53.6*	35.0
1,2,3-Trichlorobenzene	Ave	0.3889	0.4152		10.7	10.0	6.8	35.0
Dibromofluoromethane	Ave	0.3238	0.3187		9.84	10.0	-1.6	35.0
1,2-Dichloroethane-d4 (Surr)	Lin1		0.1990		7.97	10.0	-20.3	35.0
Toluene-d8 (Surr)	Ave	3.835	4.008		10.5	10.0	4.5	35.0
4-Bromofluorobenzene	Lin2		0.8409		7.83	10.0	-21.7	35.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Houston Job No.: 600-100927-1

SDG No.: _____

Lab Sample ID: CCVIS 600-147732/2 Calibration Date: 10/27/2014 10:05

Instrument ID: CHVOAMS07 Calib Start Date: 10/10/2014 12:45

GC Column: DB-VRX 60 ID: 0.25 (mm) Calib End Date: 10/10/2014 16:13

Lab File ID: A30001.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Lin2		0.0856		6.41	10.0	-36.0*	35.0
Chloromethane	Lin2		0.1397	0.1000	7.21	10.0	-27.9	35.0
Vinyl chloride	Ave	0.2770	0.2717		9.81	10.0	-1.9	20.0
Butadiene	Ave	0.2903	0.2173		7.49	10.0	-25.1	35.0
Bromomethane	Ave	0.1368	0.1674		12.2	10.0	22.3	35.0
Ethanol	Lin1		0.0008		381	500	-23.8	35.0
Chloroethane	Ave	0.1403	0.1576		11.2	10.0	12.3	35.0
Dichlorofluoromethane	Ave	0.3995	0.4723		11.8	10.0	18.2	35.0
Acetonitrile	Lin		0.0055		75.0	100	-25.0	50.0
Acrolein	Lin		0.0024		17.1	50.0	-65.9*	50.0
Trichlorofluoromethane	Ave	0.3527	0.5012		14.2	10.0	42.1*	35.0
Isopropyl alcohol	Lin		0.0044		78.6	100	-21.4	50.0
Acetone	Lin1		0.0368		20.2	20.0	0.8	50.0
Ethyl ether	Lin1		0.1600		7.51	10.0	-24.9	50.0
t-Butanol	Lin		0.0094		90.2	100	-9.8	35.0
1,1-Dichloroethene	Ave	0.2349	0.2319		9.87	10.0	-1.3	20.0
Acrylonitrile	Lin1		0.0320		78.5	100	-21.5	50.0
Iodomethane	Ave	0.4567	0.5581		12.2	10.0	22.2	35.0
Methylene Chloride	Lin2		0.3926		11.6	10.0	16.3	50.0
Methyl acetate	Lin2		0.0976		38.4	50.0	-23.2	35.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.1515	0.1696		11.2	10.0	11.9	35.0
3-Chloro-1-propene	Lin2		0.1387		9.05	10.0	-9.5	35.0
Carbon disulfide	Ave	0.6181	0.5110		8.27	10.0	-17.3	35.0
trans-1,2-Dichloroethene	Ave	0.3116	0.3289		10.6	10.0	5.5	35.0
Methyl tert-butyl ether	Lin1		0.5204		9.36	10.0	-6.4	35.0
Propionitrile	Lin1		0.0127		83.8	100	-16.2	35.0
1,1-Dichloroethane	Ave	0.5881	0.5538	0.1000	9.42	10.0	-5.8	35.0
Vinyl acetate	Lin2		0.2348		18.2	20.0	-8.8	50.0
2-Chloro-1,3-butadiene	Lin2		0.4065		8.14	10.0	-18.6	35.0
Hexane	Lin2		0.2804		6.87	10.0	-31.3	35.0
2-Butanone (MEK)	Lin		0.0209		19.7	20.0	-1.6	50.0
Isopropyl ether	Ave	1.121	0.9635		8.59	10.0	-14.1	35.0
Methacrylonitrile	Lin2		0.0198		89.5	100	-10.5	35.0
cis-1,2-Dichloroethene	Ave	0.3622	0.3968		11.0	10.0	9.5	35.0
Ethyl acetate	Lin2		0.1084		15.6	20.0	-21.9	35.0
Bromochloromethane	Ave	0.1493	0.1758		11.8	10.0	17.7	35.0
Chloroform	Ave	0.6304	0.7070		11.2	10.0	12.2	20.0
Tert-butyl ethyl ether	Lin2		0.7073		8.86	10.0	-11.4	35.0
Isobutyl alcohol	Lin		0.0083		220	250	-12.1	50.0
2,2-Dichloropropane	Ave	0.2142	0.2512		11.7	10.0	17.3	35.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Houston Job No.: 600-100927-1

SDG No.: _____

Lab Sample ID: CCVIS 600-147732/2 Calibration Date: 10/27/2014 10:05

Instrument ID: CHVOAMS07 Calib Start Date: 10/10/2014 12:45

GC Column: DB-VRX 60 ID: 0.25 (mm) Calib End Date: 10/10/2014 16:13

Lab File ID: A30001.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Tetrahydrofuran	Lin2		0.0296		14.8	20.0	-25.8	35.0
1,2-Dichloroethane	Ave	0.2852	0.2713		9.51	10.0	-4.9	35.0
1,1,1-Trichloroethane	Ave	0.3854	0.4753		12.3	10.0	23.3	35.0
1,1-Dichloropropene	Lin2		0.4144		9.83	10.0	-1.7	35.0
Cyclohexane	Lin2		0.3588		9.75	10.0	-2.5	35.0
Carbon tetrachloride	Ave	0.3872	0.4831		12.5	10.0	24.8	35.0
Benzene	Ave	1.318	1.327		10.1	10.0	0.7	35.0
2-Nitropropane	Lin2		0.0892		17.6	20.0	-12.3	35.0
Tert-amyl methyl ether	Lin1		0.5592		9.53	10.0	-4.8	35.0
Ethyl acrylate	Qua		0.1792		13.8	10.0	37.7*	35.0
n-Heptane	Lin2		0.3585		8.46	10.0	-15.4	35.0
Dibromomethane	Ave	0.1156	0.1141		9.87	10.0	-1.3	35.0
1,2-Dichloropropene	Ave	0.2777	0.3142		11.3	10.0	13.1	20.0
Trichloroethene	Ave	0.3818	0.4838		12.7	10.0	26.7	35.0
Bromodichloromethane	Ave	0.3103	0.3357		10.8	10.0	8.2	35.0
Methyl methacrylate	Lin1		0.1087		15.1	20.0	-24.3	50.0
1,4-Dioxane	Lin		0.0006		167	200	-16.4	50.0
2-Chloroethyl vinyl ether	Lin1		0.3008		16.5	20.0	-17.4	35.0
Methylcyclohexane	Ave	0.4377	0.5028		11.5	10.0	14.9	35.0
cis-1,3-Dichloropropene	Lin1		1.294		9.51	10.0	-4.9	35.0
4-Methyl-2-pentanone (MIBK)	Lin1		0.1313		19.3	20.0	-3.5	50.0
trans-1,3-Dichloropropene	Lin1		0.7939		8.69	10.0	-13.1	35.0
1,1,2-Trichloroethane	Ave	0.5755	0.6463		11.2	10.0	12.3	35.0
Ethyl methacrylate	Lin1		0.6051		7.97	10.0	-20.3	50.0
Toluene	Ave	2.757	3.205		11.6	10.0	16.2	20.0
1,3-Dichloropropene	Ave	1.019	1.069		10.5	10.0	4.9	35.0
2-Hexanone	Lin1		0.2641		17.9	20.0	-10.5	50.0
Chlorodibromomethane	Ave	0.6079	0.7435		12.2	10.0	22.3	35.0
n-Butyl acetate	Lin		0.4556		7.07	10.0	-29.3	35.0
1,2-Dibromoethane	Ave	0.4579	0.5039		11.0	10.0	10.0	35.0
Tetrachloroethene	Qua		1.316		10.9	10.0	8.9	35.0
1-Chlorohexane	Lin2		0.8512		9.79	10.0	-2.1	35.0
1,1,1,2-Tetrachloroethane	Ave	0.7858	1.053		13.4	10.0	34.1	35.0
Chlorobenzene	Ave	2.496	2.954	0.3000	11.8	10.0	18.3	35.0
Ethylbenzene	Lin2		1.616		11.6	10.0	16.3	20.0
m-Xylene & p-Xylene	Lin2		3.325		11.1	10.0	11.2	35.0
Bromoform	Lin2		0.3973	0.1000	12.1	10.0	20.9	35.0
Styrene	Lin		2.021		10.0	10.0	0.3	35.0
Cyclohexanone	Lin		0.0088		420	500	-16.0	50.0
1,1,2,2-Tetrachloroethane	Ave	0.6292	0.4982	0.3000	7.92	10.0	-20.8	35.0
o-Xylene	Lin2		1.847		11.3	10.0	13.3	35.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Houston Job No.: 600-100927-1
 SDG No.: _____
 Lab Sample ID: CCVIS 600-147732/2 Calibration Date: 10/27/2014 10:05
 Instrument ID: CHVOAMS07 Calib Start Date: 10/10/2014 12:45
 GC Column: DB-VRX 60 ID: 0.25 (mm) Calib End Date: 10/10/2014 16:13
 Lab File ID: A30001.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
trans-1,4-Dichloro-2-butene	Ave	0.1121	0.1170		10.4	10.0	4.4	50.0
1,2,3-Trichloropropane	Lin2		0.1625		9.07	10.0	-9.3	35.0
Isopropylbenzene	Lin2		4.061		9.19	10.0	-8.1	35.0
Bromobenzene	Ave	0.9148	0.9831		10.8	10.0	7.5	35.0
N-Propylbenzene	Lin2		1.200		9.88	10.0	-1.2	35.0
2-Chlorotoluene	Lin2		1.045		9.80	10.0	-2.0	35.0
4-Chlorotoluene	Lin2		2.557		8.74	10.0	-12.6	35.0
1,3,5-Trimethylbenzene	Lin2		3.243		9.30	10.0	-7.0	35.0
Pentachloroethane	Qua		0.5092		34.4	10.0	243.6*	35.0
tert-Butylbenzene	Lin2		3.022		10.0	10.0	0.4	35.0
1,2,4-Trimethylbenzene	Lin2		3.280		9.29	10.0	-7.1	35.0
Benzyl chloride	Lin2		0.6377		9.42	10.0	-5.8	35.0
sec-Butylbenzene	Lin2		4.339		9.67	10.0	-3.3	35.0
1,3-Dichlorobenzene	Ave	1.969	2.144		10.9	10.0	8.9	35.0
1,4-Dichlorobenzene	Ave	2.220	2.160		9.73	10.0	-2.7	35.0
p-Isopropyltoluene	Lin		4.125		9.19	10.0	-8.1	35.0
1,2,3-Trimethylbenzene	Lin2		3.325		9.40	10.0	-6.0	35.0
1,2-Dichlorobenzene	Ave	1.629	1.761		10.8	10.0	8.1	35.0
n-Butylbenzene	Lin2		3.188		9.37	10.0	-6.3	35.0
1,2-Dibromo-3-Chloropropane	Ave	0.0680	0.0818		12.0	10.0	20.3	35.0
1,2,4-Trichlorobenzene	Ave	1.080	1.348		12.5	10.0	24.9	35.0
1,3,5-Trichlorobenzene	Lin1		0.6750		10.1	10.0	0.9	35.0
Naphthalene	Lin		0.8106		9.39	10.0	-6.1	35.0
Hexachlorobutadiene	Ave	0.2603	0.3665		14.1	10.0	40.8*	35.0
1,2,3-Trichlorobenzene	Ave	0.3889	0.3800		9.77	10.0	-2.3	35.0
Dibromofluoromethane	Ave	0.3238	0.3670		11.3	10.0	13.4	35.0
1,2-Dichloroethane-d4 (Surr)	Lin1		0.2271		9.10	10.0	-9.0	35.0
Toluene-d8 (Surr)	Ave	3.835	4.420		11.5	10.0	15.3	35.0
4-Bromofluorobenzene	Lin2		0.9618		8.90	10.0	-11.0	35.0

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-100927-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 600-147711/6

Matrix: Water Lab File ID: A29905.D

Analysis Method: 8260B Date Collected: _____

Sample wt/vol: 20 (mL) Date Analyzed: 10/26/2014 12:16

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 147711 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	0.120	U	1.00	0.120
74-87-3	Chloromethane	0.180	U	2.00	0.180
75-01-4	Vinyl chloride	0.110	U	2.00	0.110
74-83-9	Bromomethane	0.250	U	2.00	0.250
75-00-3	Chloroethane	0.0800	U	2.00	0.0800
75-69-4	Trichlorofluoromethane	0.0800	U	1.00	0.0800
75-35-4	1,1-Dichloroethene	0.190	U	1.00	0.190
156-60-5	trans-1,2-Dichloroethene	0.0900	U	1.00	0.0900
1634-04-4	Methyl tert-butyl ether	0.120	U	1.00	0.120
75-09-2	Methylene Chloride	0.150	U	5.00	0.150
156-59-2	cis-1,2-Dichloroethene	0.0600	U	1.00	0.0600
78-93-3	2-Butanone (MEK)	0.760	U	2.00	0.760
74-97-5	Bromochloromethane	0.180	U	1.00	0.180
56-23-5	Carbon tetrachloride	0.150	U	1.00	0.150
71-43-2	Benzene	0.0800	U	1.00	0.0800
107-06-2	1,2-Dichloroethane	0.140	U	1.00	0.140
79-01-6	Trichloroethene	0.180	U	1.00	0.180
71-55-6	1,1,1-Trichloroethane	0.150	U	1.00	0.150
75-34-3	1,1-Dichloroethane	0.110	U	1.00	0.110
78-87-5	1,2-Dichloropropane	0.160	U	1.00	0.160
594-20-7	2,2-Dichloropropane	0.130	U	1.00	0.130
74-95-3	Dibromomethane	0.520	U	1.00	0.520
67-66-3	Chloroform	0.130	U	1.00	0.130
75-27-4	Bromodichloromethane	0.160	U	1.00	0.160
110-75-8	2-Chloroethyl vinyl ether	0.500	U	2.00	0.500
563-58-6	1,1-Dichloropropene	0.210	U	1.00	0.210
10061-01-5	cis-1,3-Dichloropropene	0.180	U	1.00	0.180
108-88-3	Toluene	0.150	U	1.00	0.150
10061-02-6	trans-1,3-Dichloropropene	0.210	U	1.00	0.210
79-00-5	1,1,2-Trichloroethane	0.280	U	1.00	0.280
127-18-4	Tetrachloroethene	0.130	U	1.00	0.130
142-28-9	1,3-Dichloropropane	0.220	U	1.00	0.220
124-48-1	Chlorodibromomethane	0.150	U	1.00	0.150
106-93-4	1,2-Dibromoethane	0.180	U	1.00	0.180
108-90-7	Chlorobenzene	0.120	U	1.00	0.120
630-20-6	1,1,1,2-Tetrachloroethane	0.180	U	1.00	0.180

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-100927-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 600-147711/6

Matrix: Water Lab File ID: A29905.D

Analysis Method: 8260B Date Collected: _____

Sample wt/vol: 20 (mL) Date Analyzed: 10/26/2014 12:16

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 147711 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	0.110	U	1.00	0.110
179601-23-1	m-Xylene & p-Xylene	0.170	U	1.00	0.170
1330-20-7	Xylenes, Total	0.260	U	1.00	0.260
95-47-6	o-Xylene	0.120	U	1.00	0.120
100-42-5	Styrene	0.0700	U	1.00	0.0700
75-25-2	Bromoform	0.190	U	1.00	0.190
98-82-8	Isopropylbenzene	0.180	U	1.00	0.180
108-86-1	Bromobenzene	0.190	U	1.00	0.190
96-18-4	1,2,3-Trichloropropane	0.290	U	1.00	0.290
79-34-5	1,1,2,2-Tetrachloroethane	0.220	U	1.00	0.220
103-65-1	N-Propylbenzene	0.150	U	1.00	0.150
95-49-8	2-Chlorotoluene	0.130	U	1.00	0.130
106-43-4	4-Chlorotoluene	0.140	U	1.00	0.140
108-67-8	1,3,5-Trimethylbenzene	0.100	U	1.00	0.100
98-06-6	tert-Butylbenzene	0.0800	U	1.00	0.0800
99-87-6	p-Isopropyltoluene	0.100	U	1.00	0.100
95-63-6	1,2,4-Trimethylbenzene	0.140	U	1.00	0.140
135-98-8	sec-Butylbenzene	0.120	U	1.00	0.120
541-73-1	1,3-Dichlorobenzene	0.130	U	1.00	0.130
106-46-7	1,4-Dichlorobenzene	0.110	U	1.00	0.110
95-50-1	1,2-Dichlorobenzene	0.100	U	1.00	0.100
104-51-8	n-Butylbenzene	0.160	U	1.00	0.160
96-12-8	1,2-Dibromo-3-Chloropropane	0.810	U	1.00	0.810
120-82-1	1,2,4-Trichlorobenzene	0.310	U	1.00	0.310
87-68-3	Hexachlorobutadiene	0.170	U	1.00	0.170
91-20-3	Naphthalene	0.320	U	2.00	0.320
87-61-6	1,2,3-Trichlorobenzene	0.570	U	1.00	0.570

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	82		67-139
1868-53-7	Dibromofluoromethane	95		62-130
2037-26-5	Toluene-d8 (Surr)	111		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	82		50-134

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-100927-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 600-147732/5

Matrix: Water Lab File ID: A30004.D

Analysis Method: 8260B Date Collected: _____

Sample wt/vol: 20 (mL) Date Analyzed: 10/27/2014 11:59

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 147732 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	0.120	U	1.00	0.120
74-87-3	Chloromethane	0.180	U	2.00	0.180
75-01-4	Vinyl chloride	0.110	U	2.00	0.110
74-83-9	Bromomethane	0.250	U	2.00	0.250
75-00-3	Chloroethane	0.0800	U	2.00	0.0800
75-69-4	Trichlorofluoromethane	0.0800	U	1.00	0.0800
75-35-4	1,1-Dichloroethene	0.190	U	1.00	0.190
156-60-5	trans-1,2-Dichloroethene	0.0900	U	1.00	0.0900
1634-04-4	Methyl tert-butyl ether	0.120	U	1.00	0.120
75-09-2	Methylene Chloride	1.063	J	5.00	0.150
156-59-2	cis-1,2-Dichloroethene	0.0600	U	1.00	0.0600
78-93-3	2-Butanone (MEK)	0.760	U	2.00	0.760
74-97-5	Bromochloromethane	0.180	U	1.00	0.180
56-23-5	Carbon tetrachloride	0.150	U	1.00	0.150
71-43-2	Benzene	0.0800	U	1.00	0.0800
107-06-2	1,2-Dichloroethane	0.140	U	1.00	0.140
79-01-6	Trichloroethene	0.180	U	1.00	0.180
71-55-6	1,1,1-Trichloroethane	0.150	U	1.00	0.150
75-34-3	1,1-Dichloroethane	0.110	U	1.00	0.110
78-87-5	1,2-Dichloropropane	0.160	U	1.00	0.160
594-20-7	2,2-Dichloropropane	0.130	U	1.00	0.130
74-95-3	Dibromomethane	0.520	U	1.00	0.520
67-66-3	Chloroform	0.130	U	1.00	0.130
75-27-4	Bromodichloromethane	0.160	U	1.00	0.160
110-75-8	2-Chloroethyl vinyl ether	0.500	U	2.00	0.500
563-58-6	1,1-Dichloropropene	0.210	U	1.00	0.210
10061-01-5	cis-1,3-Dichloropropene	0.180	U	1.00	0.180
108-88-3	Toluene	0.150	U	1.00	0.150
10061-02-6	trans-1,3-Dichloropropene	0.210	U	1.00	0.210
79-00-5	1,1,2-Trichloroethane	0.280	U	1.00	0.280
127-18-4	Tetrachloroethene	0.130	U	1.00	0.130
142-28-9	1,3-Dichloropropane	0.220	U	1.00	0.220
124-48-1	Chlorodibromomethane	0.150	U	1.00	0.150
106-93-4	1,2-Dibromoethane	0.180	U	1.00	0.180
108-90-7	Chlorobenzene	0.120	U	1.00	0.120
630-20-6	1,1,1,2-Tetrachloroethane	0.180	U	1.00	0.180

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-100927-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 600-147732/5

Matrix: Water Lab File ID: A30004.D

Analysis Method: 8260B Date Collected: _____

Sample wt/vol: 20 (mL) Date Analyzed: 10/27/2014 11:59

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 147732 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	0.110	U	1.00	0.110
179601-23-1	m-Xylene & p-Xylene	0.170	U	1.00	0.170
1330-20-7	Xylenes, Total	0.260	U	1.00	0.260
95-47-6	o-Xylene	0.120	U	1.00	0.120
100-42-5	Styrene	0.0700	U	1.00	0.0700
75-25-2	Bromoform	0.190	U	1.00	0.190
98-82-8	Isopropylbenzene	0.180	U	1.00	0.180
108-86-1	Bromobenzene	0.190	U	1.00	0.190
96-18-4	1,2,3-Trichloropropane	0.290	U	1.00	0.290
79-34-5	1,1,2,2-Tetrachloroethane	0.220	U	1.00	0.220
103-65-1	N-Propylbenzene	0.150	U	1.00	0.150
95-49-8	2-Chlorotoluene	0.130	U	1.00	0.130
106-43-4	4-Chlorotoluene	0.140	U	1.00	0.140
108-67-8	1,3,5-Trimethylbenzene	0.100	U	1.00	0.100
98-06-6	tert-Butylbenzene	0.0800	U	1.00	0.0800
99-87-6	p-Isopropyltoluene	0.100	U	1.00	0.100
95-63-6	1,2,4-Trimethylbenzene	0.140	U	1.00	0.140
135-98-8	sec-Butylbenzene	0.120	U	1.00	0.120
541-73-1	1,3-Dichlorobenzene	0.130	U	1.00	0.130
106-46-7	1,4-Dichlorobenzene	0.110	U	1.00	0.110
95-50-1	1,2-Dichlorobenzene	0.100	U	1.00	0.100
104-51-8	n-Butylbenzene	0.160	U	1.00	0.160
96-12-8	1,2-Dibromo-3-Chloropropane	0.810	U	1.00	0.810
120-82-1	1,2,4-Trichlorobenzene	0.310	U	1.00	0.310
87-68-3	Hexachlorobutadiene	0.170	U	1.00	0.170
91-20-3	Naphthalene	0.320	U	2.00	0.320
87-61-6	1,2,3-Trichlorobenzene	0.570	U	1.00	0.570

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	81		67-139
1868-53-7	Dibromofluoromethane	96		62-130
2037-26-5	Toluene-d8 (Surr)	107		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	84		50-134

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-100927-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 600-147711/3

Matrix: Water Lab File ID: A29902.D

Analysis Method: 8260B Date Collected: _____

Sample wt/vol: 20 (mL) Date Analyzed: 10/26/2014 10:22

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 147711 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	7.642		1.00	0.120
74-87-3	Chloromethane	8.282		2.00	0.180
75-01-4	Vinyl chloride	10.16		2.00	0.110
74-83-9	Bromomethane	12.50		2.00	0.250
75-00-3	Chloroethane	11.38		2.00	0.0800
75-69-4	Trichlorofluoromethane	14.72		1.00	0.0800
75-35-4	1,1-Dichloroethene	11.78		1.00	0.190
156-60-5	trans-1,2-Dichloroethene	10.76		1.00	0.0900
1634-04-4	Methyl tert-butyl ether	9.502		1.00	0.120
75-09-2	Methylene Chloride	9.962		5.00	0.150
156-59-2	cis-1,2-Dichloroethene	10.34		1.00	0.0600
78-93-3	2-Butanone (MEK)	19.04		2.00	0.760
74-97-5	Bromochloromethane	11.19		1.00	0.180
56-23-5	Carbon tetrachloride	12.35		1.00	0.150
71-43-2	Benzene	9.658		1.00	0.0800
107-06-2	1,2-Dichloroethane	9.139		1.00	0.140
79-01-6	Trichloroethene	12.04		1.00	0.180
71-55-6	1,1,1-Trichloroethane	12.44		1.00	0.150
75-34-3	1,1-Dichloroethane	9.239		1.00	0.110
78-87-5	1,2-Dichloropropane	10.69		1.00	0.160
594-20-7	2,2-Dichloropropane	12.36		1.00	0.130
74-95-3	Dibromomethane	9.074		1.00	0.520
67-66-3	Chloroform	11.04		1.00	0.130
75-27-4	Bromodichloromethane	10.00		1.00	0.160
110-75-8	2-Chloroethyl vinyl ether	15.65		2.00	0.500
563-58-6	1,1-Dichloropropene	9.895		1.00	0.210
10061-01-5	cis-1,3-Dichloropropene	8.901		1.00	0.180
108-88-3	Toluene	11.01		1.00	0.150
10061-02-6	trans-1,3-Dichloropropene	8.345		1.00	0.210
79-00-5	1,1,2-Trichloroethane	10.44		1.00	0.280
127-18-4	Tetrachloroethene	10.48		1.00	0.130
142-28-9	1,3-Dichloropropane	9.529		1.00	0.220
124-48-1	Chlorodibromomethane	11.03		1.00	0.150
106-93-4	1,2-Dibromoethane	10.41		1.00	0.180
108-90-7	Chlorobenzene	11.02		1.00	0.120
630-20-6	1,1,1,2-Tetrachloroethane	12.42		1.00	0.180

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-100927-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 600-147711/3
 Matrix: Water Lab File ID: A29902.D
 Analysis Method: 8260B Date Collected: _____
 Sample wt/vol: 20 (mL) Date Analyzed: 10/26/2014 10:22
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 147711 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	10.96		1.00	0.110
179601-23-1	m-Xylene & p-Xylene	10.54		1.00	0.170
1330-20-7	Xylenes, Total	21.23		1.00	0.260
95-47-6	o-Xylene	10.69		1.00	0.120
100-42-5	Styrene	9.624		1.00	0.0700
75-25-2	Bromoform	11.95		1.00	0.190
98-82-8	Isopropylbenzene	8.476		1.00	0.180
108-86-1	Bromobenzene	9.985		1.00	0.190
96-18-4	1,2,3-Trichloropropane	8.399		1.00	0.290
79-34-5	1,1,2,2-Tetrachloroethane	7.301		1.00	0.220
103-65-1	N-Propylbenzene	9.019		1.00	0.150
95-49-8	2-Chlorotoluene	8.954		1.00	0.130
106-43-4	4-Chlorotoluene	8.020		1.00	0.140
108-67-8	1,3,5-Trimethylbenzene	8.632		1.00	0.100
98-06-6	tert-Butylbenzene	9.358		1.00	0.0800
99-87-6	p-Isopropyltoluene	8.641		1.00	0.100
95-63-6	1,2,4-Trimethylbenzene	8.598		1.00	0.140
135-98-8	sec-Butylbenzene	8.894		1.00	0.120
541-73-1	1,3-Dichlorobenzene	10.14		1.00	0.130
106-46-7	1,4-Dichlorobenzene	9.166		1.00	0.110
95-50-1	1,2-Dichlorobenzene	10.55		1.00	0.100
104-51-8	n-Butylbenzene	8.647		1.00	0.160
96-12-8	1,2-Dibromo-3-Chloropropane	10.58		1.00	0.810
120-82-1	1,2,4-Trichlorobenzene	12.57		1.00	0.310
87-68-3	Hexachlorobutadiene	13.63		1.00	0.170
91-20-3	Naphthalene	10.10		2.00	0.320
87-61-6	1,2,3-Trichlorobenzene	13.05		1.00	0.570

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	82		67-139
1868-53-7	Dibromofluoromethane	105		62-130
2037-26-5	Toluene-d8 (Surr)	110		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	86		50-134

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-100927-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 600-147732/14

Matrix: Water Lab File ID: A30014.D

Analysis Method: 8260B Date Collected: _____

Sample wt/vol: 20 (mL) Date Analyzed: 10/27/2014 16:17

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 147732 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	4.908		1.00	0.120
74-87-3	Chloromethane	6.538		2.00	0.180
75-01-4	Vinyl chloride	8.257		2.00	0.110
74-83-9	Bromomethane	9.535		2.00	0.250
75-00-3	Chloroethane	8.362		2.00	0.0800
75-69-4	Trichlorofluoromethane	11.09		1.00	0.0800
75-35-4	1,1-Dichloroethene	11.54		1.00	0.190
156-60-5	trans-1,2-Dichloroethene	10.54		1.00	0.0900
1634-04-4	Methyl tert-butyl ether	9.566		1.00	0.120
75-09-2	Methylene Chloride	11.30		5.00	0.150
156-59-2	cis-1,2-Dichloroethene	9.726		1.00	0.0600
78-93-3	2-Butanone (MEK)	18.25		2.00	0.760
74-97-5	Bromochloromethane	10.64		1.00	0.180
56-23-5	Carbon tetrachloride	11.36		1.00	0.150
71-43-2	Benzene	9.016		1.00	0.0800
107-06-2	1,2-Dichloroethane	8.888		1.00	0.140
79-01-6	Trichloroethene	11.22		1.00	0.180
71-55-6	1,1,1-Trichloroethane	11.49		1.00	0.150
75-34-3	1,1-Dichloroethane	8.974		1.00	0.110
78-87-5	1,2-Dichloropropane	8.198		1.00	0.160
594-20-7	2,2-Dichloropropane	11.12		1.00	0.130
74-95-3	Dibromomethane	8.541		1.00	0.520
67-66-3	Chloroform	8.724		1.00	0.130
75-27-4	Bromodichloromethane	9.485		1.00	0.160
110-75-8	2-Chloroethyl vinyl ether	14.75		2.00	0.500
563-58-6	1,1-Dichloropropene	9.409		1.00	0.210
10061-01-5	cis-1,3-Dichloropropene	8.347		1.00	0.180
108-88-3	Toluene	9.860		1.00	0.150
10061-02-6	trans-1,3-Dichloropropene	8.319		1.00	0.210
79-00-5	1,1,2-Trichloroethane	9.531		1.00	0.280
127-18-4	Tetrachloroethene	9.820		1.00	0.130
142-28-9	1,3-Dichloropropane	9.054		1.00	0.220
124-48-1	Chlorodibromomethane	10.07		1.00	0.150
106-93-4	1,2-Dibromoethane	10.20		1.00	0.180
108-90-7	Chlorobenzene	10.36		1.00	0.120
630-20-6	1,1,1,2-Tetrachloroethane	11.42		1.00	0.180

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-100927-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 600-147732/14

Matrix: Water Lab File ID: A30014.D

Analysis Method: 8260B Date Collected: _____

Sample wt/vol: 20 (mL) Date Analyzed: 10/27/2014 16:17

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 147732 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	10.33		1.00	0.110
179601-23-1	m-Xylene & p-Xylene	9.941		1.00	0.170
1330-20-7	Xylenes, Total	19.92		1.00	0.260
95-47-6	o-Xylene	9.976		1.00	0.120
100-42-5	Styrene	9.465		1.00	0.0700
75-25-2	Bromoform	6.469		1.00	0.190
98-82-8	Isopropylbenzene	7.719		1.00	0.180
108-86-1	Bromobenzene	9.307		1.00	0.190
96-18-4	1,2,3-Trichloropropane	7.417		1.00	0.290
79-34-5	1,1,2,2-Tetrachloroethane	6.245		1.00	0.220
103-65-1	N-Propylbenzene	8.344		1.00	0.150
95-49-8	2-Chlorotoluene	8.420		1.00	0.130
106-43-4	4-Chlorotoluene	7.448		1.00	0.140
108-67-8	1,3,5-Trimethylbenzene	7.930		1.00	0.100
98-06-6	tert-Butylbenzene	8.623		1.00	0.0800
99-87-6	p-Isopropyltoluene	8.010		1.00	0.100
95-63-6	1,2,4-Trimethylbenzene	8.075		1.00	0.140
135-98-8	sec-Butylbenzene	8.241		1.00	0.120
541-73-1	1,3-Dichlorobenzene	9.601		1.00	0.130
106-46-7	1,4-Dichlorobenzene	8.489		1.00	0.110
95-50-1	1,2-Dichlorobenzene	9.651		1.00	0.100
104-51-8	n-Butylbenzene	8.005		1.00	0.160
96-12-8	1,2-Dibromo-3-Chloropropane	8.662		1.00	0.810
120-82-1	1,2,4-Trichlorobenzene	12.96		1.00	0.310
87-68-3	Hexachlorobutadiene	12.63		1.00	0.170
91-20-3	Naphthalene	12.92		2.00	0.320
87-61-6	1,2,3-Trichlorobenzene	17.48		1.00	0.570

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	76		67-139
1868-53-7	Dibromofluoromethane	96		62-130
2037-26-5	Toluene-d8 (Surr)	102		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	83		50-134

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-100927-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCSD 600-147711/4

Matrix: Water Lab File ID: A29903.D

Analysis Method: 8260B Date Collected: _____

Sample wt/vol: 20 (mL) Date Analyzed: 10/26/2014 10:51

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 147711 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	7.400		1.00	0.120
74-87-3	Chloromethane	7.949		2.00	0.180
75-01-4	Vinyl chloride	9.309		2.00	0.110
74-83-9	Bromomethane	11.37		2.00	0.250
75-00-3	Chloroethane	10.41		2.00	0.0800
75-69-4	Trichlorofluoromethane	13.66		1.00	0.0800
75-35-4	1,1-Dichloroethene	11.54		1.00	0.190
156-60-5	trans-1,2-Dichloroethene	11.08		1.00	0.0900
1634-04-4	Methyl tert-butyl ether	9.797		1.00	0.120
75-09-2	Methylene Chloride	9.792		5.00	0.150
156-59-2	cis-1,2-Dichloroethene	10.25		1.00	0.0600
78-93-3	2-Butanone (MEK)	19.52		2.00	0.760
74-97-5	Bromochloromethane	11.24		1.00	0.180
56-23-5	Carbon tetrachloride	12.28		1.00	0.150
71-43-2	Benzene	9.729		1.00	0.0800
107-06-2	1,2-Dichloroethane	9.248		1.00	0.140
79-01-6	Trichloroethene	12.26		1.00	0.180
71-55-6	1,1,1-Trichloroethane	12.10		1.00	0.150
75-34-3	1,1-Dichloroethane	9.497		1.00	0.110
78-87-5	1,2-Dichloropropane	10.88		1.00	0.160
594-20-7	2,2-Dichloropropane	12.56		1.00	0.130
74-95-3	Dibromomethane	9.836		1.00	0.520
67-66-3	Chloroform	10.95		1.00	0.130
75-27-4	Bromodichloromethane	10.25		1.00	0.160
110-75-8	2-Chloroethyl vinyl ether	16.36		2.00	0.500
563-58-6	1,1-Dichloropropene	10.11		1.00	0.210
10061-01-5	cis-1,3-Dichloropropene	8.986		1.00	0.180
108-88-3	Toluene	10.88		1.00	0.150
10061-02-6	trans-1,3-Dichloropropene	8.709		1.00	0.210
79-00-5	1,1,2-Trichloroethane	10.36		1.00	0.280
127-18-4	Tetrachloroethene	10.44		1.00	0.130
142-28-9	1,3-Dichloropropane	9.747		1.00	0.220
124-48-1	Chlorodibromomethane	11.19		1.00	0.150
106-93-4	1,2-Dibromoethane	10.55		1.00	0.180
108-90-7	Chlorobenzene	11.08		1.00	0.120
630-20-6	1,1,1,2-Tetrachloroethane	12.69		1.00	0.180

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-100927-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCSD 600-147711/4

Matrix: Water Lab File ID: A29903.D

Analysis Method: 8260B Date Collected: _____

Sample wt/vol: 20 (mL) Date Analyzed: 10/26/2014 10:51

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 147711 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	11.33		1.00	0.110
179601-23-1	m-Xylene & p-Xylene	10.55		1.00	0.170
1330-20-7	Xylenes, Total	21.20		1.00	0.260
95-47-6	o-Xylene	10.65		1.00	0.120
100-42-5	Styrene	9.716		1.00	0.0700
75-25-2	Bromoform	12.15		1.00	0.190
98-82-8	Isopropylbenzene	8.495		1.00	0.180
108-86-1	Bromobenzene	9.896		1.00	0.190
96-18-4	1,2,3-Trichloropropane	8.014		1.00	0.290
79-34-5	1,1,2,2-Tetrachloroethane	7.429		1.00	0.220
103-65-1	N-Propylbenzene	8.983		1.00	0.150
95-49-8	2-Chlorotoluene	8.881		1.00	0.130
106-43-4	4-Chlorotoluene	7.785		1.00	0.140
108-67-8	1,3,5-Trimethylbenzene	8.432		1.00	0.100
98-06-6	tert-Butylbenzene	9.282		1.00	0.0800
99-87-6	p-Isopropyltoluene	8.618		1.00	0.100
95-63-6	1,2,4-Trimethylbenzene	8.533		1.00	0.140
135-98-8	sec-Butylbenzene	8.967		1.00	0.120
541-73-1	1,3-Dichlorobenzene	10.29		1.00	0.130
106-46-7	1,4-Dichlorobenzene	9.108		1.00	0.110
95-50-1	1,2-Dichlorobenzene	10.70		1.00	0.100
104-51-8	n-Butylbenzene	8.752		1.00	0.160
96-12-8	1,2-Dibromo-3-Chloropropane	9.184		1.00	0.810
120-82-1	1,2,4-Trichlorobenzene	13.28		1.00	0.310
87-68-3	Hexachlorobutadiene	14.04		1.00	0.170
91-20-3	Naphthalene	11.09		2.00	0.320
87-61-6	1,2,3-Trichlorobenzene	15.74		1.00	0.570

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	76		67-139
1868-53-7	Dibromofluoromethane	98		62-130
2037-26-5	Toluene-d8 (Surr)	103		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	80		50-134

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-100927-1

SDG No.: _____

Client Sample ID: ARTESIA-MW34-10152014 MS Lab Sample ID: 600-100927-9 MS

Matrix: Water Lab File ID: A30012.D

Analysis Method: 8260B Date Collected: 10/15/2014 15:15

Sample wt/vol: 20 (mL) Date Analyzed: 10/27/2014 15:20

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 147732 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	6.037		1.00	0.120
74-87-3	Chloromethane	7.124		2.00	0.180
75-01-4	Vinyl chloride	8.781		2.00	0.110
74-83-9	Bromomethane	10.13		2.00	0.250
75-00-3	Chloroethane	9.484		2.00	0.0800
75-69-4	Trichlorofluoromethane	11.87		1.00	0.0800
75-35-4	1,1-Dichloroethene	23.31		1.00	0.190
156-60-5	trans-1,2-Dichloroethene	11.07		1.00	0.0900
1634-04-4	Methyl tert-butyl ether	10.03		1.00	0.120
75-09-2	Methylene Chloride	9.019		5.00	0.150
156-59-2	cis-1,2-Dichloroethene	10.29		1.00	0.0600
78-93-3	2-Butanone (MEK)	16.18		2.00	0.760
74-97-5	Bromochloromethane	10.79		1.00	0.180
56-23-5	Carbon tetrachloride	12.11		1.00	0.150
71-43-2	Benzene	9.328		1.00	0.0800
107-06-2	1,2-Dichloroethane	8.971		1.00	0.140
79-01-6	Trichloroethene	14.46		1.00	0.180
71-55-6	1,1,1-Trichloroethane	11.98		1.00	0.150
75-34-3	1,1-Dichloroethane	13.11		1.00	0.110
78-87-5	1,2-Dichloropropane	8.583		1.00	0.160
594-20-7	2,2-Dichloropropane	11.97		1.00	0.130
74-95-3	Dibromomethane	8.613		1.00	0.520
67-66-3	Chloroform	9.306		1.00	0.130
75-27-4	Bromodichloromethane	9.876		1.00	0.160
110-75-8	2-Chloroethyl vinyl ether	1.965	J	2.00	0.500
563-58-6	1,1-Dichloropropene	9.802		1.00	0.210
10061-01-5	cis-1,3-Dichloropropene	8.902		1.00	0.180
108-88-3	Toluene	10.72		1.00	0.150
10061-02-6	trans-1,3-Dichloropropene	8.144		1.00	0.210
79-00-5	1,1,2-Trichloroethane	10.29		1.00	0.280
127-18-4	Tetrachloroethene	15.57		1.00	0.130
142-28-9	1,3-Dichloropropane	9.705		1.00	0.220
124-48-1	Chlorodibromomethane	11.25		1.00	0.150
106-93-4	1,2-Dibromoethane	10.32		1.00	0.180
108-90-7	Chlorobenzene	11.01		1.00	0.120
630-20-6	1,1,1,2-Tetrachloroethane	12.64		1.00	0.180

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-100927-1

SDG No.: _____

Client Sample ID: ARTESIA-MW34-10152014 MS Lab Sample ID: 600-100927-9 MS

Matrix: Water Lab File ID: A30012.D

Analysis Method: 8260B Date Collected: 10/15/2014 15:15

Sample wt/vol: 20 (mL) Date Analyzed: 10/27/2014 15:20

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 147732 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	11.20		1.00	0.110
179601-23-1	m-Xylene & p-Xylene	10.99		1.00	0.170
1330-20-7	Xylenes, Total	21.68		1.00	0.260
95-47-6	o-Xylene	10.69		1.00	0.120
100-42-5	Styrene	9.511		1.00	0.0700
75-25-2	Bromoform	10.13		1.00	0.190
98-82-8	Isopropylbenzene	8.861		1.00	0.180
108-86-1	Bromobenzene	9.884		1.00	0.190
96-18-4	1,2,3-Trichloropropane	7.998		1.00	0.290
79-34-5	1,1,2,2-Tetrachloroethane	7.488		1.00	0.220
103-65-1	N-Propylbenzene	9.691		1.00	0.150
95-49-8	2-Chlorotoluene	9.182		1.00	0.130
106-43-4	4-Chlorotoluene	8.284		1.00	0.140
108-67-8	1,3,5-Trimethylbenzene	9.216		1.00	0.100
98-06-6	tert-Butylbenzene	9.546		1.00	0.0800
99-87-6	p-Isopropyltoluene	8.547		1.00	0.100
95-63-6	1,2,4-Trimethylbenzene	16.10		1.00	0.140
135-98-8	sec-Butylbenzene	9.038		1.00	0.120
541-73-1	1,3-Dichlorobenzene	9.911		1.00	0.130
106-46-7	1,4-Dichlorobenzene	8.840		1.00	0.110
95-50-1	1,2-Dichlorobenzene	10.69		1.00	0.100
104-51-8	n-Butylbenzene	8.820		1.00	0.160
96-12-8	1,2-Dibromo-3-Chloropropane	8.766		1.00	0.810
120-82-1	1,2,4-Trichlorobenzene	12.89		1.00	0.310
87-68-3	Hexachlorobutadiene	12.91		1.00	0.170
91-20-3	Naphthalene	28.56		2.00	0.320
87-61-6	1,2,3-Trichlorobenzene	11.70		1.00	0.570

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	79		67-139
1868-53-7	Dibromofluoromethane	100		62-130
2037-26-5	Toluene-d8 (Surr)	108		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	84		50-134

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-100927-1

SDG No.: _____

Client Sample ID: ARTESIA-MW34-10152014 MSD Lab Sample ID: 600-100927-9 MSD

Matrix: Water Lab File ID: A30013.D

Analysis Method: 8260B Date Collected: 10/15/2014 15:15

Sample wt/vol: 20 (mL) Date Analyzed: 10/27/2014 15:48

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 147732 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	6.569		1.00	0.120
74-87-3	Chloromethane	8.069		2.00	0.180
75-01-4	Vinyl chloride	9.561		2.00	0.110
74-83-9	Bromomethane	11.18		2.00	0.250
75-00-3	Chloroethane	10.45		2.00	0.0800
75-69-4	Trichlorofluoromethane	13.26		1.00	0.0800
75-35-4	1,1-Dichloroethene	24.51		1.00	0.190
156-60-5	trans-1,2-Dichloroethene	11.28		1.00	0.0900
1634-04-4	Methyl tert-butyl ether	10.22		1.00	0.120
75-09-2	Methylene Chloride	9.133		5.00	0.150
156-59-2	cis-1,2-Dichloroethene	10.13		1.00	0.0600
78-93-3	2-Butanone (MEK)	17.93		2.00	0.760
74-97-5	Bromochloromethane	11.23		1.00	0.180
56-23-5	Carbon tetrachloride	12.54		1.00	0.150
71-43-2	Benzene	9.556		1.00	0.0800
107-06-2	1,2-Dichloroethane	9.292		1.00	0.140
79-01-6	Trichloroethene	15.00		1.00	0.180
71-55-6	1,1,1-Trichloroethane	12.36		1.00	0.150
75-34-3	1,1-Dichloroethane	13.27		1.00	0.110
78-87-5	1,2-Dichloropropane	9.011		1.00	0.160
594-20-7	2,2-Dichloropropane	12.27		1.00	0.130
74-95-3	Dibromomethane	8.988		1.00	0.520
67-66-3	Chloroform	9.184		1.00	0.130
75-27-4	Bromodichloromethane	9.900		1.00	0.160
110-75-8	2-Chloroethyl vinyl ether	1.881	J	2.00	0.500
563-58-6	1,1-Dichloropropene	10.24		1.00	0.210
10061-01-5	cis-1,3-Dichloropropene	8.807		1.00	0.180
108-88-3	Toluene	10.72		1.00	0.150
10061-02-6	trans-1,3-Dichloropropene	8.818		1.00	0.210
79-00-5	1,1,2-Trichloroethane	10.55		1.00	0.280
127-18-4	Tetrachloroethene	16.71		1.00	0.130
142-28-9	1,3-Dichloropropane	9.745		1.00	0.220
124-48-1	Chlorodibromomethane	11.46		1.00	0.150
106-93-4	1,2-Dibromoethane	10.55		1.00	0.180
108-90-7	Chlorobenzene	10.97		1.00	0.120
630-20-6	1,1,1,2-Tetrachloroethane	12.67		1.00	0.180

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Houston Job No.: 600-100927-1

SDG No.: _____

Client Sample ID: ARTESIA-MW34-10152014 MSD Lab Sample ID: 600-100927-9 MSD

Matrix: Water Lab File ID: A30013.D

Analysis Method: 8260B Date Collected: 10/15/2014 15:15

Sample wt/vol: 20 (mL) Date Analyzed: 10/27/2014 15:48

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: DB-VRX 60 ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 147732 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	11.29		1.00	0.110
179601-23-1	m-Xylene & p-Xylene	10.78		1.00	0.170
1330-20-7	Xylenes, Total	21.49		1.00	0.260
95-47-6	o-Xylene	10.71		1.00	0.120
100-42-5	Styrene	9.526		1.00	0.0700
75-25-2	Bromoform	10.35		1.00	0.190
98-82-8	Isopropylbenzene	8.592		1.00	0.180
108-86-1	Bromobenzene	10.08		1.00	0.190
96-18-4	1,2,3-Trichloropropane	8.295		1.00	0.290
79-34-5	1,1,2,2-Tetrachloroethane	7.610		1.00	0.220
103-65-1	N-Propylbenzene	9.178		1.00	0.150
95-49-8	2-Chlorotoluene	9.167		1.00	0.130
106-43-4	4-Chlorotoluene	8.095		1.00	0.140
108-67-8	1,3,5-Trimethylbenzene	8.522		1.00	0.100
98-06-6	tert-Butylbenzene	9.578		1.00	0.0800
99-87-6	p-Isopropyltoluene	8.634		1.00	0.100
95-63-6	1,2,4-Trimethylbenzene	9.056		1.00	0.140
135-98-8	sec-Butylbenzene	9.039		1.00	0.120
541-73-1	1,3-Dichlorobenzene	10.37		1.00	0.130
106-46-7	1,4-Dichlorobenzene	9.236		1.00	0.110
95-50-1	1,2-Dichlorobenzene	10.81		1.00	0.100
104-51-8	n-Butylbenzene	8.884		1.00	0.160
96-12-8	1,2-Dibromo-3-Chloropropane	9.876		1.00	0.810
120-82-1	1,2,4-Trichlorobenzene	13.76		1.00	0.310
87-68-3	Hexachlorobutadiene	13.56		1.00	0.170
91-20-3	Naphthalene	15.73		2.00	0.320
87-61-6	1,2,3-Trichlorobenzene	15.88		1.00	0.570

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	74		67-139
1868-53-7	Dibromofluoromethane	96		62-130
2037-26-5	Toluene-d8 (Surr)	104		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	83		50-134

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Houston Job No.: 600-100927-1

SDG No.: _____

Instrument ID: CHVOAMS07 Start Date: 10/10/2014 12:17Analysis Batch Number: 146352 End Date: 10/10/2014 21:29

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 600-146352/1		10/10/2014 12:17	1	A28300.D	DB-VRX 60 0.25 (mm)
IC 600-146352/2		10/10/2014 12:45	1	A28301.D	DB-VRX 60 0.25 (mm)
IC 600-146352/3		10/10/2014 13:51	1	A28302A.D	DB-VRX 60 0.25 (mm)
IC 600-146352/4		10/10/2014 14:19	1	A28303.D	DB-VRX 60 0.25 (mm)
IC 600-146352/5		10/10/2014 14:48	1	A28304.D	DB-VRX 60 0.25 (mm)
ICIS 600-146352/6		10/10/2014 15:16	1	A28305.D	DB-VRX 60 0.25 (mm)
IC 600-146352/7		10/10/2014 15:45	1	A28306.D	DB-VRX 60 0.25 (mm)
IC 600-146352/8		10/10/2014 16:13	1	A28307.D	DB-VRX 60 0.25 (mm)
ICV 600-146352/12		10/10/2014 19:06	1		DB-VRX 60 0.25 (mm)
ZZZZZ		10/10/2014 19:06	1		DB-VRX 60 0.25 (mm)
ZZZZZ		10/10/2014 20:32	1		DB-VRX 60 0.25 (mm)
600-100260-A-1 MDLV		10/10/2014 21:01	1		DB-VRX 60 0.25 (mm)
600-100260-A-2 MDLV		10/10/2014 21:29	1		DB-VRX 60 0.25 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Houston Job No.: 600-100927-1

SDG No.: _____

Instrument ID: CHVOAMS07 Start Date: 10/26/2014 09:18Analysis Batch Number: 147711 End Date: 10/26/2014 21:18

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 600-147711/1		10/26/2014 09:18	1	A29900.D	DB-VRX 60 0.25 (mm)
CCVIS 600-147711/2		10/26/2014 09:54	1	A29901.D	DB-VRX 60 0.25 (mm)
LCS 600-147711/3		10/26/2014 10:22	1	A29902.D	DB-VRX 60 0.25 (mm)
LCSD 600-147711/4		10/26/2014 10:51	1	A29903.D	DB-VRX 60 0.25 (mm)
MB 600-147711/6		10/26/2014 12:16	1	A29905.D	DB-VRX 60 0.25 (mm)
ZZZZZ		10/26/2014 12:45	1		DB-VRX 60 0.25 (mm)
ZZZZZ		10/26/2014 13:13	1		DB-VRX 60 0.25 (mm)
ZZZZZ		10/26/2014 13:42	50		DB-VRX 60 0.25 (mm)
600-100927-1	ARTESIA-MW26-10142014	10/26/2014 14:11	1	A29909.D	DB-VRX 60 0.25 (mm)
600-100927-3	ARTESIA-MW33-10152014	10/26/2014 14:39	1	A29910.D	DB-VRX 60 0.25 (mm)
600-100927-4	ARTESIA-MW29-10152014	10/26/2014 15:08	1	A29911.D	DB-VRX 60 0.25 (mm)
600-100927-5	ARTESIA-MW30-10152014	10/26/2014 15:36	1	A29912.D	DB-VRX 60 0.25 (mm)
600-100927-6	ARTESIA-MW28-10152014	10/26/2014 16:04	1	A29913.D	DB-VRX 60 0.25 (mm)
600-100927-7	ARTESIA-DUP02-10152014	10/26/2014 16:33	1	A29914.D	DB-VRX 60 0.25 (mm)
600-100927-8	ARTESIA-MW32-10152014	10/26/2014 17:02	1	A29915.D	DB-VRX 60 0.25 (mm)
600-100927-10	ARTESIA-MW22-10162014	10/26/2014 17:30	1	A29916.D	DB-VRX 60 0.25 (mm)
600-100927-12	ARTESIA-MW21-10162014	10/26/2014 17:59	1	A29917.D	DB-VRX 60 0.25 (mm)
600-100927-15	ARTESIA-MW15-10172014	10/26/2014 18:55	1	A29919.D	DB-VRX 60 0.25 (mm)
600-100927-14	ARTESIA-MW20-10162014	10/26/2014 19:24	1	A29920.D	DB-VRX 60 0.25 (mm)
600-100927-16	ARTESIAMW17C-10172014	10/26/2014 19:53	1	A29921.D	DB-VRX 60 0.25 (mm)
600-100927-18	ARTESIA-MW7-10172014	10/26/2014 20:21	1	A29922.D	DB-VRX 60 0.25 (mm)
600-100927-19	ARTESIA-MW8-10172014	10/26/2014 20:49	1	A29923.D	DB-VRX 60 0.25 (mm)
600-100927-11	ARTESIA-MW31-10162014	10/26/2014 21:18	1	A29924.D	DB-VRX 60 0.25 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Houston Job No.: 600-100927-1

SDG No.: _____

Instrument ID: CHVOAMS07 Start Date: 10/27/2014 09:34

Analysis Batch Number: 147732 End Date: 10/27/2014 21:30

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 600-147732/1		10/27/2014 09:34	1	A30000.D	DB-VRX 60 0.25 (mm)
CCVIS 600-147732/2		10/27/2014 10:05	1	A30001.D	DB-VRX 60 0.25 (mm)
MB 600-147732/5		10/27/2014 11:59	1	A30004.D	DB-VRX 60 0.25 (mm)
600-100927-2	ARTESIA-TB01-10142014	10/27/2014 12:28	1	A30005.D	DB-VRX 60 0.25 (mm)
600-100927-21	ARTESIA-TB02-10202014	10/27/2014 12:57	1	A30006.D	DB-VRX 60 0.25 (mm)
600-100927-9	ARTESIA-MW34-10152014	10/27/2014 13:25	1	A30007.D	DB-VRX 60 0.25 (mm)
600-100927-13	ARTESIA-MW18-10162014	10/27/2014 13:54	1	A30009.D	DB-VRX 60 0.25 (mm)
600-100927-20	ARTESIA-MW11-10172014	10/27/2014 14:22	1	A30010.D	DB-VRX 60 0.25 (mm)
600-100927-17	ARTESIA-MW12-10172014	10/27/2014 14:51	1	A30011.D	DB-VRX 60 0.25 (mm)
600-100927-9 MS	ARTESIA-MW34-10152014 MS	10/27/2014 15:20	1	A30012.D	DB-VRX 60 0.25 (mm)
600-100927-9 MSD	ARTESIA-MW34-10152014 MSD	10/27/2014 15:48	1	A30013.D	DB-VRX 60 0.25 (mm)
LCS 600-147732/14		10/27/2014 16:17	1	A30014.D	DB-VRX 60 0.25 (mm)
600-100927-17 DL	ARTESIA-MW12-10172014 DL	10/27/2014 16:45	20	A30015.D	DB-VRX 60 0.25 (mm)
ZZZZZ		10/27/2014 17:13	1		DB-VRX 60 0.25 (mm)
ZZZZZ		10/27/2014 17:42	1		DB-VRX 60 0.25 (mm)
ZZZZZ		10/27/2014 18:11	1		DB-VRX 60 0.25 (mm)
ZZZZZ		10/27/2014 18:39	1		DB-VRX 60 0.25 (mm)
ZZZZZ		10/27/2014 19:08	1		DB-VRX 60 0.25 (mm)
ZZZZZ		10/27/2014 19:36	1		DB-VRX 60 0.25 (mm)
ZZZZZ		10/27/2014 20:05	1		DB-VRX 60 0.25 (mm)
ZZZZZ		10/27/2014 20:33	1		DB-VRX 60 0.25 (mm)
ZZZZZ		10/27/2014 21:01	1		DB-VRX 60 0.25 (mm)
ZZZZZ		10/27/2014 21:30	1		DB-VRX 60 0.25 (mm)

METALS

COVER PAGE
METALS

Lab Name: TestAmerica Corpus Christi

Job Number: 600-100927-1

SDG No.: _____

Project: Dowell - Artesia Groundwater

Client Sample ID

ARTESIA-MW26-10142014
ARTESIA-MW29-10152014
ARTESIA-MW30-10152014
ARTESIA-MW28-10152014
ARTESIA-DUP02-10152014
ARTESIA-MW32-10152014
ARTESIA-MW34-10152014
ARTESIA-MW22-10162014
ARTESIA-MW31-10162014
ARTESIA-MW21-10162014
ARTESIA-MW18-10162014

Lab Sample ID

600-100927-1
600-100927-4
600-100927-5
600-100927-6
600-100927-7
600-100927-8
600-100927-9
600-100927-10
600-100927-11
600-100927-12
600-100927-13

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: ARTESIA-MW26-10142014 Lab Sample ID: 600-100927-1
Lab Name: TestAmerica Corpus Christi Job No.: 600-100927-1
SDG ID.: _____
Matrix: Water Date Sampled: 10/14/2014 15:55
Reporting Basis: WET Date Received: 10/21/2014 10:02

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-96-5	Manganese, Dissolved	0.0116	0.0500	0.0116	mg/L	U		1	6020

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: ARTESIA-MW29-10152014 Lab Sample ID: 600-100927-4
Lab Name: TestAmerica Corpus Christi Job No.: 600-100927-1
SDG ID.: _____
Matrix: Water Date Sampled: 10/15/2014 10:55
Reporting Basis: WET Date Received: 10/21/2014 10:02

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-96-5	Manganese, Dissolved	0.0116	0.0500	0.0116	mg/L	U		1	6020

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: ARTESIA-MW30-10152014 Lab Sample ID: 600-100927-5
Lab Name: TestAmerica Corpus Christi Job No.: 600-100927-1
SDG ID.: _____
Matrix: Water Date Sampled: 10/15/2014 11:35
Reporting Basis: WET Date Received: 10/21/2014 10:02

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-96-5	Manganese, Dissolved	0.0116	0.0500	0.0116	mg/L	U		1	6020

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: ARTESIA-MW28-10152014

Lab Sample ID: 600-100927-6

Lab Name: TestAmerica Corpus Christi

Job No.: 600-100927-1

SDG ID.:

Matrix: Water

Date Sampled: 10/15/2014 12:10

Reporting Basis: WET

Date Received: 10/21/2014 10:02

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-96-5	Manganese, Dissolved	0.0116	0.0500	0.0116	mg/L	U		1	6020

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: ARTESIA-DUP02-10152014

Lab Sample ID: 600-100927-7

Lab Name: TestAmerica Corpus Christi

Job No.: 600-100927-1

SDG ID.:

Matrix: Water

Date Sampled: 10/15/2014 12:45

Reporting Basis: WET

Date Received: 10/21/2014 10:02

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-96-5	Manganese, Dissolved	0.0116	0.0500	0.0116	mg/L	U		1	6020

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: ARTESIA-MW32-10152014 Lab Sample ID: 600-100927-8
Lab Name: TestAmerica Corpus Christi Job No.: 600-100927-1
SDG ID.: _____
Matrix: Water Date Sampled: 10/15/2014 14:20
Reporting Basis: WET Date Received: 10/21/2014 10:02

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-96-5	Manganese, Dissolved	0.0116	0.0500	0.0116	mg/L	U		1	6020

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: ARTESIA-MW34-10152014 Lab Sample ID: 600-100927-9
Lab Name: TestAmerica Corpus Christi Job No.: 600-100927-1
SDG ID.: _____
Matrix: Water Date Sampled: 10/15/2014 15:15
Reporting Basis: WET Date Received: 10/21/2014 10:02

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-96-5	Manganese, Dissolved	0.0116	0.0500	0.0116	mg/L	U		1	6020

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: ARTESIA-MW22-10162014

Lab Sample ID: 600-100927-10

Lab Name: TestAmerica Corpus Christi

Job No.: 600-100927-1

SDG ID.:

Matrix: Water

Date Sampled: 10/16/2014 10:20

Reporting Basis: WET

Date Received: 10/21/2014 10:02

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-96-5	Manganese, Dissolved	0.0116	0.0500	0.0116	mg/L	U		1	6020

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: ARTESIA-MW31-10162014 Lab Sample ID: 600-100927-11
Lab Name: TestAmerica Corpus Christi Job No.: 600-100927-1
SDG ID.: _____
Matrix: Water Date Sampled: 10/16/2014 11:10
Reporting Basis: WET Date Received: 10/21/2014 10:02

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-96-5	Manganese, Dissolved	0.138	0.0500	0.0116	mg/L			1	6020

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: ARTESIA-MW21-10162014 Lab Sample ID: 600-100927-12
Lab Name: TestAmerica Corpus Christi Job No.: 600-100927-1
SDG ID.: _____
Matrix: Water Date Sampled: 10/16/2014 13:00
Reporting Basis: WET Date Received: 10/21/2014 10:02

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-96-5	Manganese, Dissolved	0.0116	0.0500	0.0116	mg/L	U		1	6020

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: ARTESIA-MW18-10162014 Lab Sample ID: 600-100927-13
Lab Name: TestAmerica Corpus Christi Job No.: 600-100927-1
SDG ID.: _____
Matrix: Water Date Sampled: 10/16/2014 13:50
Reporting Basis: WET Date Received: 10/21/2014 10:02

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-96-5	Manganese, Dissolved	0.0116	0.0500	0.0116	mg/L	U		1	6020

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Corpus Christi Job No.: 600-100927-1

SDG No.: _____

ICV Source: aICV_esi500_00007 Concentration Units: ug/L

CCV Source: TS_MS250_00024

Analyte	ICV 560-108859/2 10/29/2014 12:36				CCV 560-108859/6 10/29/2014 16:54				CCV 560-108859/16 10/29/2014 18:19			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Manganese, Dissolved	5084		5000	102	2401		2500	96	2445		2500	98

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Corpus Christi Job No.: 600-100927-1

SDG No.: _____

ICV Source: aICV_esi500_00007 Concentration Units: ug/L

CCV Source: TS_MS250_00024

Analyte	CCV 560-108859/28 10/29/2014 19:44				CCV 560-108859/39 10/29/2014 21:09				CCV 560-108859/51 10/29/2014 22:35			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Manganese, Dissolved	2407		2500	96	2409		2500	96	2394		2500	96

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Corpus Christi Job No.: 600-100927-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	ICB 560-108859/5 10/29/2014 13:20		CCB 560-108859/7 10/29/2014 17:06		CCB 560-108859/17 10/29/2014 18:31		CCB 560-108859/29 10/29/2014 19:55	
		Found	C	Found	C	Found	C	Found	C
Manganese, Dissolved	50.0	11.6	U	11.6	U	11.6	U	11.6	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Corpus Christi Job No.: 600-100927-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	CCB 560-108859/40 10/29/2014 21:20		CCB 560-108859/52 10/29/2014 22:46					
		Found	C	Found	C	Found	C	Found	C
Manganese, Dissolved	50.0	11.6	U	11.6	U				

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Corpus Christi Job No.: 600-100927-1

SDG No.: _____

Concentration Units: mg/L Lab Sample ID: MB 560-108819/1-A

Instrument Code: Micpms Batch No.: 108859

CAS No.	Analyte	Concentration	C	Q	Method
7439-96-5	Manganese, Dissolved	0.0116	U		6020

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Corpus Christi Job No.: 600-100927-1

SDG No.: _____

Concentration Units: mg/L Lab Sample ID: MB 560-108828/1-A

Instrument Code: Micpms Batch No.: 108859

CAS No.	Analyte	Concentration	C	Q	Method
7439-96-5	Manganese, Dissolved	0.0116	U		6020

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Corpus Christi Job No.: 600-100927-1
 SDG No.: _____
 Lab Sample ID: ICSA 560-108859/3 Instrument ID: Micpms
 Lab File ID: 015SMPL.D ICS Source: INT-A_00083
 Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Manganese, Dissolved		13.6	
Aluminum	250000	240100	96
Antimony		0.440	
Arsenic		0.547	
Barium		8.76	
Beryllium		-0.209	
Boron		11.7	
Cadmium		0.294	
Calcium	250000	246200	98
Chromium		1.90	
Cobalt		0.650	
Copper		1.52	
Iron	100000	89430	89
Lead		0.740	
Lithium		0.235	
Magnesium	250000	241600	97
Molybdenum		0.492	
Nickel		1.65	
Phosphorus		-10.1	
Potassium		88.9	
Selenium		1.65	
Silicon		2625	
Silver		0.253	
Sodium		-274	
Strontium		4.23	
Thallium		0.159	
Tin		1.87	
Titanium		2.83	
Uranium		0.0306	
Vanadium		0.369	
Zinc		10.2	

Calculations are performed before rounding to avoid round-off errors in calculated results.

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Corpus Christi Job No.: 600-100927-1
 SDG No.: _____
 Lab Sample ID: ICSAB 560-108859/4 Instrument ID: Micpms
 Lab File ID: 016SMPL.D ICS Source: INT-AB_00086
 Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Manganese, Dissolved	500	484	97
Aluminum	250000	246700	99
Antimony		0.481	
Arsenic		0.849	
Barium	500	487	97
Beryllium	500	477	95
Boron		6.53	
Cadmium	1000	942	94
Calcium	250000	251400	101
Chromium	500	476	95
Cobalt	500	458	92
Copper	500	456	91
Iron	100000	90440	90
Lead	1000	906	91
Lithium		-0.0746	
Magnesium	250000	246700	99
Molybdenum		0.136	
Nickel	1000	918	92
Phosphorus		10.6	
Potassium		86.2	
Selenium		0.265	
Silicon		-340	
Silver	1000	954	95
Sodium		-265	
Strontium		4.04	
Thallium		-0.786	
Tin		3.25	
Titanium		3.41	
Uranium		0.0385	
Vanadium	500	482	96
Zinc	1000	941	94

Calculations are performed before rounding to avoid round-off errors in calculated results.

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS - DISSOLVED

Client ID: _____ Lab ID: 560-50688-B-1-E MS
Lab Name: TestAmerica Corpus Christi Job No.: 600-100927-1
SDG No.: _____
Matrix: Water Concentration Units: mg/L
% Solids: _____

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Manganese, Dissolved	4.882	0.114	5.00	95	80-120		6020

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS - DISSOLVED

Client ID: ARTESIA-MW34-10152014 MS

Lab ID: 600-100927-9 MS

Lab Name: TestAmerica Corpus Christi

Job No.: 600-100927-1

SDG No.: _____

Matrix: Water

Concentration Units: mg/L

% Solids: _____

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Manganese, Dissolved	4.758	0.0116	U 5.00	95	80-120		6020

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

5A-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
METALS - DISSOLVED

Client ID: _____ Lab ID: 560-50688-B-1-F MSD
Lab Name: TestAmerica Corpus Christi Job No.: 600-100927-1
SDG No.: _____
Matrix: Water Concentration Units: mg/L
% Solids: _____

Analyte	(SDR) C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Manganese, Dissolved	4.870	5.00	95	80-120	0	20		6020

SDR = Sample Duplicate Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

5A-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
METALS - DISSOLVED

Client ID: ARTESIA-MW34-10152014 MSD Lab ID: 600-100927-9 MSD
Lab Name: TestAmerica Corpus Christi Job No.: 600-100927-1
SDG No.: _____
Matrix: Water Concentration Units: mg/L
% Solids: _____

Analyte	(SDR) C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Manganese, Dissolved	4.682	5.00	94	80-120	2	20		6020

SDR = Sample Duplicate Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 560-108819/2-A

Lab Name: TestAmerica Corpus Christi

Job No.: 600-100927-1

Sample Matrix: Water

LCS Source: ESI-spKA_00008

Analyte	Water (mg/L)							
	True	Found	C	%R	Limits		Q	Method
Manganese, Dissolved	5.00	4.849		97	80	120		6020

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 560-108828/2-A

Lab Name: TestAmerica Corpus Christi

Job No.: 600-100927-1

Sample Matrix: Water

LCS Source: ESI-spKA_00008

Analyte	Water (mg/L)							
	True	Found	C	%R	Limits		Q	Method
Manganese, Dissolved	5.00	4.704		94	80	120		6020

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS - DISSOLVED

Lab ID: 560-50688-B-1-D SD

SDG No:

Lab Name: TestAmerica Corpus Christi

Job No: 600-100927-1

Matrix: Water

Concentration Units: mg/L

Analyte	Initial Sample Result (I) C		Serial Dilution Result (S) C		% Difference	Q	Method
Manganese, Dissolved	0.114		0.1304	J	NC		6020

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIII-IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS - DISSOLVED

Lab ID: 600-100927-9

SDG No:

Lab Name: TestAmerica Corpus Christi

Job No: 600-100927-1

Matrix: Water

Concentration Units: mg/L

Analyte	Initial Sample Result (I) C		Serial Dilution Result (S) C		% Difference	Q	Method
Manganese, Dissolved	0.0116	U	0.0580	U	NC		6020

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIII-IN

9-IN
DETECTION LIMITS
METALS - DISSOLVED

Lab Name: TestAmerica Corpus Christi Job Number: 600-100927-1
SDG Number: _____
Matrix: Water Instrument ID: Micpms
Method: 6020 MDL Date: 05/02/2011 10:33
Prep Method: 3010A

Analyte	Wavelength/ Mass	RL (ug/L)	MDL (ug/L)
Manganese, Dissolved	55	50	11.6

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS - DISSOLVED

Lab Name: TestAmerica Corpus Christi Job Number: 600-100927-1
SDG Number: _____
Matrix: Water Instrument ID: Micpms
Method: 6020 XMDL Date: 05/02/2011 10:34

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Manganese, Dissolved	55	50	11.6

11-IN
LINEAR RANGES
METALS

Lab Name: TestAmerica Corpus Christi

Job No: 600-100927-1

SDG No.: _____

Instrument ID: Micpms

Date: 05/12/2011 15:16

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Manganese, Dissolved	0.15	50000	6020

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Corpus Christi Job No.: 600-100927-1

SDG No.: _____

Prep Method: 3010A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 560-108819/1-A	10/29/2014 07:32	108819		50	50
LCS 560-108819/2-A	10/29/2014 07:32	108819		50	50
560-50688-B-1-E MS	10/29/2014 07:32	108819		50	50
560-50688-B-1-F MSD	10/29/2014 07:32	108819		50	50
600-100927-1	10/29/2014 07:32	108819		50	50
600-100927-4	10/29/2014 07:32	108819		50	50
600-100927-5	10/29/2014 07:32	108819		50	50

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Corpus Christi Job No.: 600-100927-1

SDG No.: _____

Prep Method: 3010A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 560-108828/1-A	10/29/2014 12:00	108828		50	50
LCS 560-108828/2-A	10/29/2014 12:00	108828		50	50
600-100927-9	10/29/2014 12:00	108828		50	50
600-100927-9 MS	10/29/2014 12:00	108828		50	50
600-100927-9 MSD	10/29/2014 12:00	108828		50	50
600-100927-6	10/29/2014 12:00	108828		50	50
600-100927-7	10/29/2014 12:00	108828		50	50
600-100927-8	10/29/2014 12:00	108828		50	50
600-100927-10	10/29/2014 12:00	108828		50	50
600-100927-11	10/29/2014 12:00	108828		50	50
600-100927-12	10/29/2014 12:00	108828		50	50
600-100927-13	10/29/2014 12:00	108828		50	50

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Corpus Christi Job No.: 600-100927-1

SDG No.: _____

Instrument ID: Micpms Method: 6020

Start Date: 10/29/2014 12:31 End Date: 10/29/2014 23:20

Lab Sample ID	D / F	T y p e	Time	Analytes															
				M n															
ICV 560-108859/1			12:31																
ICV 560-108859/2	1		12:36	X															
ICSA 560-108859/3	1		12:53	X															
ICSAB 560-108859/4	1		13:08	X															
ICB 560-108859/5	1		13:20	X															
CCV 560-108859/6	1		16:54	X															
CCB 560-108859/7	1		17:06	X															
MB 560-108819/1-A	1	T	17:17	X															
LCS 560-108819/2-A	1	T	17:23	X															
ZZZZZZ			17:34																
560-50688-B-1-E MS	1	D	17:40	X															
560-50688-B-1-F MSD	1	D	17:45	X															
560-50688-B-1-D SD	5	D	17:51	X															
ZZZZZZ			17:57																
ZZZZZZ			18:02																
CCV 560-108859/16	1		18:19	X															
CCB 560-108859/17	1		18:31	X															
ZZZZZZ			18:36																
ZZZZZZ			18:42																
ZZZZZZ			18:48																
ZZZZZZ			18:53																
ZZZZZZ			18:59																
ZZZZZZ			19:04																
ZZZZZZ			19:10																
ZZZZZZ			19:16																
600-100927-1	1	D	19:21	X															
600-100927-4	1	D	19:27	X															
CCV 560-108859/28	1		19:44	X															
CCB 560-108859/29	1		19:55	X															
600-100927-5	1	D	20:01	X															
MB 560-108828/1-A	1	T	20:07	X															
LCS 560-108828/2-A	1	T	20:12	X															
600-100927-9	1	D	20:24	X															
600-100927-9 MS	1	D	20:29	X															
600-100927-9 MSD	1	D	20:35	X															
600-100927-9 SD	5	D	20:41	X															
600-100927-6	1	D	20:46	X															
600-100927-7	1	D	20:52	X															
CCV 560-108859/39	1		21:09	X															
CCB 560-108859/40	1		21:20	X															
600-100927-8	1	D	21:26	X															
600-100927-10	1	D	21:32	X															

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Corpus Christi Job No.: 600-100927-1

SDG No.: _____

Instrument ID: Micpms Method: 6020

Start Date: 10/29/2014 12:31 End Date: 10/29/2014 23:20

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				M n																	
600-100927-11	1	D	21:37	X																	
600-100927-12	1	D	21:43	X																	
600-100927-13	1	D	21:49	X																	
ZZZZZZ			21:54																		
ZZZZZZ			22:00																		
ZZZZZZ			22:06																		
ZZZZZZ			22:12																		
ZZZZZZ			22:17																		
CCV 560-108859/51	1		22:35	X																	
CCB 560-108859/52	1		22:46	X																	
ZZZZZZ			22:52																		
CCV 560-108859/54			23:09																		
CCB 560-108859/55			23:20																		

Prep Types

D = Dissolved

T = Total/NA

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: TestAmerica Corpus Christi Job No.: 600-100927-1

SDG No.: _____

ICP-MS Instrument ID: Micpms Start Date: 10/29/2014 End Date: 10/29/2014

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Li-6	Q	Element Sc/1	Q	Element Sc/2	Q	Element Sc/3	Q	Element Ge/1	Q
ICV 560-108859/1	12:31	95		102		103		99		100	
ICSA 560-108859/3	12:53	88		107		100		97			
ICSAB 560-108859/4	13:08	86		104		101		95			
ICB 560-108859/5	13:20	88		106		107		98		97	
CCV 560-108859/6	16:54	107		104		114		104		117	
CCB 560-108859/7	17:06	105		103		112		103		105	
MB 560-108819/1-A	17:17	105		101		110		103		100	
LCS 560-108819/2-A	17:23	98		101		105		98			
560-50688-B-1-E MS	17:40	97		97		106		102			
560-50688-B-1-F MSD	17:45	98		96		107		104			
560-50688-B-1-D SD	17:51	102		98		107		102		106	
CCV 560-108859/16	18:19	103		100		106		101		110	
CCB 560-108859/17	18:31	103		97		107		102		94	
600-100927-1	19:21	101		99		107		102		98	
600-100927-4	19:27	101		99		107		103		104	
CCV 560-108859/28	19:44	106		100		109		102		111	
CCB 560-108859/29	19:55	105		103		108		102		96	
600-100927-5	20:01	100		96		106		102		100	
MB 560-108828/1-A	20:07	110		97		109		103		106	
LCS 560-108828/2-A	20:12	100		98		105		101			
600-100927-9	20:24	102		99		107		104		106	
600-100927-9 MS	20:29	99		97		106		103			
600-100927-9 MSD	20:35	99		96		106		102		119	
600-100927-9 SD	20:41	106		101		109		104		98	
600-100927-6	20:46	102		97		107		104		101	
600-100927-7	20:52	100		98		109		105		113	
CCV 560-108859/39	21:09	109		105		108		105		115	
CCB 560-108859/40	21:20	110		100		107		106		103	
600-100927-8	21:26	104		96		106		104		104	
600-100927-10	21:32	99		98		106		102		104	
600-100927-11	21:37	102		97		103		103		110	
600-100927-12	21:43	102		93		104		102		115	
600-100927-13	21:49	104		93		105		104		116	
CCV 560-108859/51	22:35	116		97		105		102			
CCB 560-108859/52	22:46	115		93		105		102		115	

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: TestAmerica Corpus Christi Job No.: 600-100927-1

SDG No.: _____

ICP-MS Instrument ID: Micpms Start Date: 10/29/2014 End Date: 10/29/2014

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Ge/2	Q	Element Ge/3	Q	Element Y-89/1	Q	Element Y-89/2	Q	Element Y-89/3	Q
ICV 560-108859/1	12:31	104		103		92		103		100	
ICSA 560-108859/3	12:53	107		108		89		101		99	
ICSAB 560-108859/4	13:08	107		107		92		103		98	
ICB 560-108859/5	13:20	105		102		87		105		100	
CCV 560-108859/6	16:54					103		111		104	
CCB 560-108859/7	17:06	115		108		99		109		102	
MB 560-108819/1-A	17:17	113		110		96		107		102	
LCS 560-108819/2-A	17:23	119		117		93		103		98	
560-50688-B-1-E MS	17:40	117		116		93		104		99	
560-50688-B-1-F MSD	17:45	117		116		90		104		99	
560-50688-B-1-D SD	17:51	116		111		96		105		99	
CCV 560-108859/16	18:19	117		113		95		104		98	
CCB 560-108859/17	18:31	109		108		93		105		101	
600-100927-1	19:21	116		112		95		104		100	
600-100927-4	19:27	115		115		94		104		100	
CCV 560-108859/28	19:44	119		117		99		105		100	
CCB 560-108859/29	19:55	112		108		97		105		101	
600-100927-5	20:01	117		113		95		104		98	
MB 560-108828/1-A	20:07	113		109		100		106		102	
LCS 560-108828/2-A	20:12	114		114		95		104		100	
600-100927-9	20:24	116		114		93		104		100	
600-100927-9 MS	20:29	117		117		95		104		99	
600-100927-9 MSD	20:35	115		117		97		103		98	
600-100927-9 SD	20:41	116		115		100		106		103	
600-100927-6	20:46	114		113		99		103		99	
600-100927-7	20:52	115		113		102		105		100	
CCV 560-108859/39	21:09	118		118		103		105		102	
CCB 560-108859/40	21:20	110		110		102		105		101	
600-100927-8	21:26	115		115		100		103		99	
600-100927-10	21:32	111		109		99		101		96	
600-100927-11	21:37	110		108		105		99		96	
600-100927-12	21:43	112		111		103		100		95	
600-100927-13	21:49	111		112		107		102		97	
CCV 560-108859/51	22:35	110		112				100		95	
CCB 560-108859/52	22:46	103		103		117		100		94	

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: TestAmerica Corpus Christi Job No.: 600-100927-1

SDG No.: _____

ICP-MS Instrument ID: Micpms Start Date: 10/29/2014 End Date: 10/29/2014

Lab Sample ID	Time	Internal Standards %RI For:									
		Element In/1	Q	Element In/2	Q	Element In/3	Q	Element Tb	Q	Element Ho	Q
ICV 560-108859/1	12:31	94		102		98		100		100	
ICSA 560-108859/3	12:53	87		97		94		100		100	
ICSAB 560-108859/4	13:08	89		99		92		97		99	
ICB 560-108859/5	13:20	92		106		99		100		101	
CCV 560-108859/6	16:54	103		111		100		100		100	
CCB 560-108859/7	17:06	98		108		99		100		100	
MB 560-108819/1-A	17:17	97		107		98		99		99	
LCS 560-108819/2-A	17:23	92		101		95		97		97	
560-50688-B-1-E MS	17:40	90		99		92		94		96	
560-50688-B-1-F MSD	17:45	87		99		93		94		95	
560-50688-B-1-D SD	17:51	96		104		95		96		97	
CCV 560-108859/16	18:19	94		103		96		95		95	
CCB 560-108859/17	18:31	91		104		98		96		97	
600-100927-1	19:21	92		101		94		96		96	
600-100927-4	19:27	92		100		92		96		95	
CCV 560-108859/28	19:44	96		105		97		97		98	
CCB 560-108859/29	19:55	96		105		97		97		97	
600-100927-5	20:01	90		100		95		96		96	
MB 560-108828/1-A	20:07	99		105		98		96		98	
LCS 560-108828/2-A	20:12	93		101		95		96		96	
600-100927-9	20:24	92		102		96		98		99	
600-100927-9 MS	20:29	91		99		93		96		97	
600-100927-9 MSD	20:35	91		97		92		93		94	
600-100927-9 SD	20:41	99		104		97		96		97	
600-100927-6	20:46	95		99		93		94		96	
600-100927-7	20:52	98		101		94		92		94	
CCV 560-108859/39	21:09	99		103		97		95		96	
CCB 560-108859/40	21:20	100		104		98		97		98	
600-100927-8	21:26	97		101		94		95		95	
600-100927-10	21:32	93		96		90		90		92	
600-100927-11	21:37	97		94		90		90		90	
600-100927-12	21:43	95		96		90		90		90	
600-100927-13	21:49	98		98		92		90		91	
CCV 560-108859/51	22:35	108		98		90		88		89	
CCB 560-108859/52	22:46	106		98		91		88		88	

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: TestAmerica Corpus Christi Job No.: 600-100927-1

SDG No.: _____

ICP-MS Instrument ID: Micpms Start Date: 10/29/2014 End Date: 10/29/2014

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Bi	Q	Element	Q	Element	Q	Element	Q	Element	Q
ICV 560-108859/1	12:31	98									
ICSA 560-108859/3	12:53	91									
ICSAB 560-108859/4	13:08	90									
ICB 560-108859/5	13:20	98									
CCV 560-108859/6	16:54	96									
CCB 560-108859/7	17:06	96									
MB 560-108819/1-A	17:17	95									
LCS 560-108819/2-A	17:23	89									
560-50688-B-1-E MS	17:40	84									
560-50688-B-1-F MSD	17:45	83									
560-50688-B-1-D SD	17:51	91									
CCV 560-108859/16	18:19	92									
CCB 560-108859/17	18:31	94									
600-100927-1	19:21	88									
600-100927-4	19:27	86									
CCV 560-108859/28	19:44	94									
CCB 560-108859/29	19:55	93									
600-100927-5	20:01	87									
MB 560-108828/1-A	20:07	94									
LCS 560-108828/2-A	20:12	91									
600-100927-9	20:24	90									
600-100927-9 MS	20:29	86									
600-100927-9 MSD	20:35	84									
600-100927-9 SD	20:41	92									
600-100927-6	20:46	86									
600-100927-7	20:52	85									
CCV 560-108859/39	21:09	89									
CCB 560-108859/40	21:20	94									
600-100927-8	21:26	88									
600-100927-10	21:32	81									
600-100927-11	21:37	80									
600-100927-12	21:43	81									
600-100927-13	21:49	83									
CCV 560-108859/51	22:35	85									
CCB 560-108859/52	22:46	85									

METALS BATCH WORKSHEET

Lab Name: TestAmerica Corpus Christi Job No.: 600-100927-1

SDG No.: _____

Batch Number: 108668 Batch Start Date: 10/24/14 12:00 Batch Analyst: Gilmore, Matthew

Batch Method: FILTRATION Batch End Date: 10/24/14 16:41

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount		
560-50688-B-1 MS		FILTRATION, 3010A, 6020	D	200 mL	200 mL		
560-50688-B-1 MSD		FILTRATION, 3010A, 6020	D	200 mL	200 mL		

Batch Notes	

Basis	Basis Description
D	Dissolved

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Corpus Christi

Job No.: 600-100927-1

SDG No.:

Batch Number: 108819

Batch Start Date: 10/29/14 07:32

Batch Analyst: Chavez, Cesar

Batch Method: 3010A

Batch End Date: 10/29/14 10:32

Lab Sample ID	Client Sample ID	Method Chain	Basis	Initial pH	InitialAmount	FinalAmount	ESI-spkA 00008	ESI-spkB 00006
MB 560-108819/1		3010A, 6020		<2	50 mL	50 mL		
LCS 560-108819/2		3010A, 6020		<2	50 mL	50 mL	1 mL	1 mL
560-50688-B-1-B		3010A, 6020	D	<2	50 mL	50 mL	1 mL	1 mL
MS 560-50688-B-1-C		3010A, 6020	D	<2	50 mL	50 mL	1 mL	1 mL
MSD 600-100927-A-1	ARTESIA-MW26-101 42014	3010A, 6020	D	<2	50 mL	50 mL		
600-100927-A-4	ARTESIA-MW29-101 52014	3010A, 6020	D	<2	50 mL	50 mL		
600-100927-A-5	ARTESIA-MW30-101 52014	3010A, 6020	D	<2	50 mL	50 mL		

Batch Notes	
Lot # of hydrochloric acid	1159454
Lot # of Nitric Acid	1171194
Hot Block ID number	modblock2
Oven, Bath or Block Temperature 1	95 Degrees C
Oven, Bath or Block Temperature 2	95 Degrees C
Pipette ID	172
ID number of the thermometer	215
Digestion Tube/Cup Lot #	1404096
Uncorrected Temperature	95 Degrees C
Uncorrected Temperature 2	95 Degrees C

Basis	Basis Description
D	Dissolved

METALS BATCH WORKSHEET

Lab Name: TestAmerica Corpus Christi Job No.: 600-100927-1

SDG No.: _____

Batch Number: 108828 Batch Start Date: 10/29/14 12:00 Batch Analyst: Chavez, Cesar

Batch Method: 3010A Batch End Date: 10/29/14 15:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	Initial pH	InitialAmount	FinalAmount	ESI-spkA 00008	ESI-spkB 00006
MB 560-108828/1		3010A, 6020		<2	50 mL	50 mL		
LCS 560-108828/2		3010A, 6020		<2	50 mL	50 mL	1 mL	1 mL
600-100927-A-9	ARTESIA-MW34-101 52014	3010A, 6020	D	<2	50 mL	50 mL		
600-100927-A-9	ARTESIA-MW34-101 52014	3010A, 6020	D	<2	50 mL	50 mL	1 mL	1 mL
MS 600-100927-A-9	ARTESIA-MW34-101 52014	3010A, 6020	D	<2	50 mL	50 mL	1 mL	1 mL
MSD 600-100927-A-6	ARTESIA-MW28-101 52014	3010A, 6020	D	<2	50 mL	50 mL		
600-100927-A-7	ARTESIA-DUP02-10 152014	3010A, 6020	D	<2	50 mL	50 mL		
600-100927-A-8	ARTESIA-MW32-101 52014	3010A, 6020	D	<2	50 mL	50 mL		
600-100927-A-10	ARTESIA-MW22-101 62014	3010A, 6020	D	<2	50 mL	50 mL		
600-100927-A-11	ARTESIA-MW31-101 62014	3010A, 6020	D	<2	50 mL	50 mL		
600-100927-A-12	ARTESIA-MW21-101 62014	3010A, 6020	D	<2	50 mL	50 mL		
600-100927-A-13	ARTESIA-MW18-101 62014	3010A, 6020	D	<2	50 mL	50 mL		

Batch Notes	
Lot # of hydrochloric acid	1159454
Lot # of Nitric Acid	1171194
Hot Block ID number	modblock2
Oven, Bath or Block Temperature 1	95 Degrees C
Oven, Bath or Block Temperature 2	95 Degrees C
Pipette ID	172
ID number of the thermometer	215
Digestion Tube/Cup Lot #	1404096
Uncorrected Temperature	95 Degrees C
Uncorrected Temperature 2	95 Degrees C

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Corpus Christi Job No.: 600-100927-1

SDG No.:

Batch Number: 108828 Batch Start Date: 10/29/14 12:00 Batch Analyst: Chavez, Cesar

Batch Method: 3010A Batch End Date: 10/29/14 15:00

Basis	Basis Description
D	Dissolved

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Shipping and Receiving Documents

3310 Rotinway Street
Houston, TX 77040
Phone (713) 690-4444 Fax (713) 690-5646

Chain of Custody Record

Testimony



800-100927 Chain of Custody

Client Information		Carrier Traci
Client Contact Jeffrey Minchak	Sampler L. Hill Phone: (205) 240-3235	Lab PM Upton, Cathy L E-Mail: cathy.upton@testamerica.com

[illegible]

Possible Hazard Identification ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Radiological Deliverable Requested: I, II(III) IV, Other (specify) <u>Level III</u>	☐ Poison B ☒ Unknown ☐		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☒ Disposal By Lab Archive For _____ Months
Special Instructions/QC Requirements:			
Empty Kit Relinquished by:		Date:	Time:
Relinquished by: <u>L.Hill</u>	Company <u>CH2M HILL</u>	Received by:	Date/Time:
Relinquished by:	Company	Received by:	Date/Time:
Relinquished by:	Company	Received by: <u>M. Jones</u>	Date/Time: <u>10.21.14 / 12:00 PM</u>
Custody Seal No.: <u>A Yes</u> <u>A No</u>	Custody Seal Intact: <u>A Yes</u> <u>A No</u>	Cooler Temperature(s) °C and Other Remarks:	

Chain of Custody Record

Client Information Client Contact: Jeffrey Minchak Company: CH2M Hill, Inc. Address: 4041 Jefferson Plaza NE Suite 200 City: Albuquerque State, Zip: NM, 87109 Phone: 281-721-8546(Tel) Email: Jeffrey.Minchak@ch2m.com Project Name: Dowell - Artesia Groundwater Site: Dowell - Artesia Groundwater		Sampler: L.Hill Lab PM: Upton, Cathy L E-Mail: cathy.upton@testamerica.com Phone: (205) 240-3235 Due Date Requested: TAT Requested (days): PO #: 469935-1301 (Revised needed) WO #: Project #: 60004334 SSOW#:		Carrier Tracking No(s): 600-31448-10612.1 Page: 2 of 3 Job #:	
Analysis Requested					
Sample Identification Sample Name: ARTESIA - MW22 - 10162014 Sample ID: ARTESIA - MW31 - 10162014 Sample ID: ARTESIA - MW21 - 10162014 Sample ID: ARTESIA - MW18 - 10162014 Sample ID: ARTESIA - MW20 - 10162014 Sample ID: ARTESIA - MW15 - 10172014 Sample ID: ARTESIA - MW17C - 10172014 Sample ID: ARTESIA - MW12 - 10172014 Sample ID: ARTESIA - MW7 - 10172014 Sample ID: ARTESIA - MW8 - 10172014 Sample ID: ARTESIA - MW11 - 10172014		Sample Type (C=Comp, G=grab) Sample Time Sample Date Matrix (W=Water, S=solid, O=Other) Preservation Code Preservation Code		Total Number of Containers Special Instructions/Note: Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other: M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecalhydrate U - Acetone V - MCAA W - pH 4-5 X - EDTA Z - other (specify)	
Sample Date Sample Time Sample Date Sample Time Sample Date Sample Time Sample Date Sample Time Sample Date Sample Time Sample Date Sample Time Sample Date Sample Time Sample Date Sample Time		Sample Date Sample Time Sample Date Sample Time Sample Date Sample Time Sample Date Sample Time Sample Date Sample Time Sample Date Sample Time Sample Date Sample Time Sample Date Sample Time		Sample Date Sample Time Sample Date Sample Time Sample Date Sample Time Sample Date Sample Time Sample Date Sample Time Sample Date Sample Time Sample Date Sample Time Sample Date Sample Time	
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months					
Special Instructions/QC Requirements:					
Empty Kit Relinquished by: _____ Date: _____ Relinquished by: L.Hill P.Hill Date: 10/20/14 1200 Relinquished by: _____ Date: _____ Relinquished by: _____ Date: _____ Custody Seals Intact: _____ Custody Seal No.: _____ A Yes A No					

1000 Highway Street
Houston, TX 77040
Phone (713) 690-4444 Fax (713) 690-5646

Chain of Custody Record

[illegible]

Sample Receipt Checklist

Loc: 600
100927

Date/Time Received:

JOB NUMBER:

CLIENT:

Cham Hill

UNPACKED BY:

CARRIER/DRIVER:

Fed Ex

Custody Seal Present:

☒ YES☐ NO

Number of Coolers Received:

2

Cooler ID	Temp Blank	Trip Blank	Observed Temp (°C)	Therm ID	Therm CF	Corrected Temp (°C)
REW	Y / N	Y / N	4.2	1006	0.5	4.7
BEG	Y / N	Y / N	4.1	1006	0.5	4.6
	Y / N	Y / N				
	Y / N	Y / N				
	Y / N	Y / N				
	Y / N	Y / N				
	Y / N	Y / N				
	Y / N	Y / N				
	Y / N	Y / N				

CF = correction factor.

Samples received on ice?

☒ YES☐ NO

LABORATORY PRESERVATION OF SAMPLES REQUIRED:

☒ NO☐ YES

Base samples are < pH 12:

☒ YES☐ NO

Acid preserved are < pH 2:

☒ YES☐ NO

pH paper Lot #

VOA headspace acceptable (5-6mm):

☒ YES☐ NO☐ NA

YES / NO

Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?

☒ YES☐ NO

COMMENTS:

10/22/14

Login Sample Receipt Checklist

Client: CH2M Hill Constructors, Inc.

Job Number: 600-100927-1

Login Number: 100927

List Source: TestAmerica Houston

List Number: 1

Creator: Capps, Dana R

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.7 4.6
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	Check done at department level as required.

Login Sample Receipt Checklist

Client: CH2M Hill Constructors, Inc.

Job Number: 600-100927-1

Login Number: 100927
List Number: 2
Creator: Rood, Vivian R

List Source: TestAmerica Corpus Christi
List Creation: 10/25/14 10:24 AM

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.6°C IR4
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

Appendix D
Data Quality Evaluation Memorandum

Data Quality Evaluation for the 2014 Groundwater Monitoring, Former Dowell Schlumberger Facility, Artesia, New Mexico

PREPARED FOR: Schlumberger Technology Corporation

PREPARED BY: CH2M HILL

DATE: February 2015

The objective of this data quality evaluation (DQE) report is to assess the data quality of analytical results for groundwater samples collected from the Former Dowell Schlumberger facility in Artesia, New Mexico. CH2M HILL collected samples April 8, June 5, and October 14-21, 2014.

Groundwater samples were sent to TestAmerica Laboratories, Inc. in Houston, Texas and were analyzed by one or more of the methods listed in Table 1.

TABLE 1

Analytical Parameters

Data Quality Evaluation, Former Dowell Schlumberger Facility, Artesia, New Mexico

Parameter	Method	Laboratory
Volatile Organic Compounds (VOCs)	SW8260B	TAHOU
Sulfate	EPA 300.0	TAHOU
Dissolved Manganese	SW6020	TAHOU
Dissolved Metals (Fe/Mn)	SW6010B	TAHOU
Sulfide	SM4500 S2 D	TAHOU

Notes:

TAHOU = TestAmerica-Houston

This evaluation covers 32 groundwater samples, 3 groundwater field duplicates (FDs), 1 equipment blank (EB), and 4 trip blanks. The samples were reported in four sample delivery groups identified as follows: 600-100927-1, 600-100953-1, 600-90241-1, and 600-93474-1. Data were reviewed to assess precision, accuracy, representativeness, comparability, and completeness. This review of the data was patterned after the following: *U.S. Environmental Protection Agency (USEPA) Contract Laboratory National Functional Guidelines (NFG) for Superfund Organic Review, June 2008*; the *USEPA Contract Laboratory National Functional Guidelines for Superfund Inorganic Data Review, January 2010*; and individual method requirements. The overall precision, accuracy, representativeness, comparability, and completeness evaluation are summarized in the following sections and Table 2. Data users should consider the impact to a result that is qualified as estimated, as it may contain a bias that could affect the decision making process.

- **Precision:** Precision is defined as the agreement between duplicate results and was verified through the review of the field and laboratory data quality indicators (DQIs) that include the following: sample/FD, laboratory control sample/laboratory control sample duplicate (LCS/LCSD) and matrix spike/matrix spike duplicate (MS/MSD) relative percent differences (RPDs). Precision for these DQIs was within project acceptance criteria.

- **Accuracy:** Accuracy is defined as a measure of the agreement between an experimental determination and the true value of the parameter being measured, and was verified through the review of the calibration data, laboratory control sample/laboratory control sample duplicate, MS/MSD, internal standards, and surrogate standard recoveries, as well as the evaluation of method blank/field blank data. Accuracy was generally acceptable, with the exception of multiple results for VOC analytes, which were qualified as estimated detected and nondetected results in several samples due to calibration, MS/MSD and/or surrogate issues. In addition, results for 1,2-dichloroethane, benzene, ethylbenzene and naphthalene were qualified as not detected “U” in several samples due to method blank, trip blank, and/or EB contamination.
- **Representativeness:** Representativeness is a qualitative measure of the degree to which sample data accurately and precisely represent a characteristic environmental condition and is used to evaluate the efficacy of the sampling plan design. Representativeness was verified through the sample’s collection, storage and preservation procedures, and the verification of holding-time compliance. Data were reported from analyses within the USEPA-recommended holding time.
- **Comparability:** Comparability is a qualitative measure designed to express the confidence with which one data set may be compared to another. Factors that affect comparability are sample collection and handling techniques, sample matrix type, and analytical method. Comparability of the data was verified through the use of standard USEPA analytical procedures and standard units for reporting. Results obtained are comparable to industry standards in that the collection and analytical techniques followed approved, documented procedures.
- **Completeness:** Completeness is a measure of the number of valid measurements obtained in relation to the total number of measurements planned. Completeness is expressed as the percentage of valid or usable measurements compared to planned measurements. Valid data are defined as data that are not rejected for project use. Data were considered valid. The completeness goal of 90 percent was met for the method/analyte combinations. The data can be used for project decisions taking into consideration the validation flags applied to the data.

TABLE 2

Data Qualification Summary*Data Quality Evaluation, Former Dowell Schlumberger Facility, Artesia, New Mexico*

Native ID	Method	Analyte	Units	Final Result	Validation Flag	Validation Reason
ARTESIA-MW12-10172014	SW8260B	1,1,1,2-Tetrachloroethane	µg/L	0.18	UJ	Sur<LCL
ARTESIA-MW12-10172014	SW8260B	1,1,1-Trichloroethane	µg/L	0.15	UJ	Sur<LCL
ARTESIA-MW17C-04082014	SW8260B	1,1,2,2-Tetrachloroethane	µg/L	0.22	UJ	CCV<LCL
ARTESIA-MW26-10142014	SW8260B	1,1,2,2-Tetrachloroethane	µg/L	0.22	UJ	CCV<LCL
ARTESIA-DUP02-10152014	SW8260B	1,1,2,2-Tetrachloroethane	µg/L	0.22	UJ	CCV<LCL
ARTESIA-MW28-10152014	SW8260B	1,1,2,2-Tetrachloroethane	µg/L	0.22	UJ	CCV<LCL
ARTESIA-MW29-10152014	SW8260B	1,1,2,2-Tetrachloroethane	µg/L	0.22	UJ	CCV<LCL

TABLE 2

Data Qualification Summary*Data Quality Evaluation, Former Dowell Schlumberger Facility, Artesia, New Mexico*

Native ID	Method	Analyte	Units	Final Result	Validation Flag	Validation Reason
ARTESIA-MW30-10152014	SW8260B	1,1,2,2-Tetrachloroethane	µg/L	0.22	UJ	CCV<LCL
ARTESIA-MW32-10152014	SW8260B	1,1,2,2-Tetrachloroethane	µg/L	0.22	UJ	CCV<LCL
ARTESIA-MW33-10152014	SW8260B	1,1,2,2-Tetrachloroethane	µg/L	0.22	UJ	CCV<LCL
ARTESIA-MW34-10152014	SW8260B	1,1,2,2-Tetrachloroethane	µg/L	0.22	UJ	CCV<LCL
ARTESIA-MW18-10162014	SW8260B	1,1,2,2-Tetrachloroethane	µg/L	0.22	UJ	CCV<LCL
ARTESIA-MW20-10162014	SW8260B	1,1,2,2-Tetrachloroethane	µg/L	0.22	UJ	CCV<LCL
ARTESIA-MW21-10162014	SW8260B	1,1,2,2-Tetrachloroethane	µg/L	0.22	UJ	CCV<LCL
ARTESIA-MW22-10162014	SW8260B	1,1,2,2-Tetrachloroethane	µg/L	0.22	UJ	CCV<LCL
ARTESIA-MW31-10162014	SW8260B	1,1,2,2-Tetrachloroethane	µg/L	0.22	UJ	CCV<LCL
ARTESIA-MW11-10172014	SW8260B	1,1,2,2-Tetrachloroethane	µg/L	0.22	UJ	CCV<LCL
ARTESIA-MW12-10172014	SW8260B	1,1,2,2-Tetrachloroethane	µg/L	0.22	UJ	CCV<LCL
ARTESIA-MW12-10172014	SW8260B	1,1,2,2-Tetrachloroethane	µg/L	0.22	UJ	Sur<LCL
ARTESIA-MW15-10172014	SW8260B	1,1,2,2-Tetrachloroethane	µg/L	0.22	UJ	CCV<LCL
ARTESIAMW17C-10172014	SW8260B	1,1,2,2-Tetrachloroethane	µg/L	0.22	UJ	CCV<LCL
ARTESIA-MW7-10172014	SW8260B	1,1,2,2-Tetrachloroethane	µg/L	0.22	UJ	CCV<LCL
ARTESIA-MW8-10172014	SW8260B	1,1,2,2-Tetrachloroethane	µg/L	0.22	UJ	CCV<LCL
ARTESIA-DUP01-10212014	SW8260B	1,1,2,2-Tetrachloroethane	µg/L	0.22	UJ	CCV<LCL
ARTESIA-MW1-10212014	SW8260B	1,1,2,2-Tetrachloroethane	µg/L	0.22	UJ	CCV<LCL
ARTESIA-MW12-10172014	SW8260B	1,1,2-Trichloroethane	µg/L	0.28	UJ	Sur<LCL
ARTESIA-MW12-10172014	SW8260B	1,1-Dichloroethane	µg/L	4.34	J	Sur<LCL

TABLE 2

Data Qualification Summary*Data Quality Evaluation, Former Dowell Schlumberger Facility, Artesia, New Mexico*

Native ID	Method	Analyte	Units	Final Result	Validation Flag	Validation Reason
ARTESIA-MW12-10172014	SW8260B	1,1-Dichloroethene	µg/L	0.484	J	Sur<LCL
ARTESIA-MW12-10172014	SW8260B	1,1-Dichloropropene	µg/L	0.21	UJ	Sur<LCL
ARTESIA-MW12-10172014	SW8260B	1,2,3-Trichlorobenzene	µg/L	0.57	UJ	Sur<LCL
ARTESIA-MW26-10142014	SW8260B	1,2,3-Trichloropropane	µg/L	0.29	UJ	CCV<LCL
ARTESIA-DUP02-10152014	SW8260B	1,2,3-Trichloropropane	µg/L	0.29	UJ	CCV<LCL
ARTESIA-MW28-10152014	SW8260B	1,2,3-Trichloropropane	µg/L	0.29	UJ	CCV<LCL
ARTESIA-MW29-10152014	SW8260B	1,2,3-Trichloropropane	µg/L	0.29	UJ	CCV<LCL
ARTESIA-MW30-10152014	SW8260B	1,2,3-Trichloropropane	µg/L	0.29	UJ	CCV<LCL
ARTESIA-MW32-10152014	SW8260B	1,2,3-Trichloropropane	µg/L	0.29	UJ	CCV<LCL
ARTESIA-MW33-10152014	SW8260B	1,2,3-Trichloropropane	µg/L	0.29	UJ	CCV<LCL
ARTESIA-MW20-10162014	SW8260B	1,2,3-Trichloropropane	µg/L	0.29	UJ	CCV<LCL
ARTESIA-MW21-10162014	SW8260B	1,2,3-Trichloropropane	µg/L	0.29	UJ	CCV<LCL
ARTESIA-MW22-10162014	SW8260B	1,2,3-Trichloropropane	µg/L	0.29	UJ	CCV<LCL
ARTESIA-MW31-10162014	SW8260B	1,2,3-Trichloropropane	µg/L	0.29	UJ	CCV<LCL
ARTESIA-MW12-10172014	SW8260B	1,2,3-Trichloropropane	µg/L	0.29	UJ	Sur<LCL
ARTESIA-MW15-10172014	SW8260B	1,2,3-Trichloropropane	µg/L	0.29	UJ	CCV<LCL
ARTESIAMW17C-10172014	SW8260B	1,2,3-Trichloropropane	µg/L	0.29	UJ	CCV<LCL
ARTESIA-MW7-10172014	SW8260B	1,2,3-Trichloropropane	µg/L	0.29	UJ	CCV<LCL
ARTESIA-MW8-10172014	SW8260B	1,2,3-Trichloropropane	µg/L	0.29	UJ	CCV<LCL
ARTESIA-MW12-10172014	SW8260B	1,2,4-Trichlorobenzene	µg/L	0.31	UJ	Sur<LCL

TABLE 2

Data Qualification Summary*Data Quality Evaluation, Former Dowell Schlumberger Facility, Artesia, New Mexico*

Native ID	Method	Analyte	Units	Final Result	Validation Flag	Validation Reason
ARTESIA-DUP01-04082014	SW8260B	1,2-Dibromo-3-Chloropropane	µg/L	0.81	UJ	CCV<LCL
ARTESIA-MW12-04082014	SW8260B	1,2-Dibromo-3-Chloropropane	µg/L	4.05	UJ	CCV<LCL
ARTESIA-MW17C-04082014	SW8260B	1,2-Dibromo-3-Chloropropane	µg/L	0.81	UJ	CCV<LCL
ARTESIA-MW18-04082014	SW8260B	1,2-Dibromo-3-Chloropropane	µg/L	0.81	UJ	CCV<LCL
ARTESIA-MW21-04082014	SW8260B	1,2-Dibromo-3-Chloropropane	µg/L	0.81	UJ	CCV<LCL
ARTESIA-MW25-04082014	SW8260B	1,2-Dibromo-3-Chloropropane	µg/L	0.81	UJ	CCV<LCL
ARTESIA-MW26-04082014	SW8260B	1,2-Dibromo-3-Chloropropane	µg/L	0.81	UJ	CCV<LCL
ARTESIA-MW28-04082014	SW8260B	1,2-Dibromo-3-Chloropropane	µg/L	0.81	UJ	CCV<LCL
ARTESIA-MW30-04082014	SW8260B	1,2-Dibromo-3-Chloropropane	µg/L	0.81	UJ	CCV<LCL
ARTESIA-MW31-04082014	SW8260B	1,2-Dibromo-3-Chloropropane	µg/L	0.81	UJ	CCV<LCL
ARTESIA-MW32-04082014	SW8260B	1,2-Dibromo-3-Chloropropane	µg/L	0.81	UJ	CCV<LCL
ARTESIA-MW33-04082014	SW8260B	1,2-Dibromo-3-Chloropropane	µg/L	0.81	UJ	CCV<LCL
ARTESIA-MW12-10172014	SW8260B	1,2-Dibromo-3-Chloropropane	µg/L	0.81	UJ	Sur<LCL
ARTESIA-MW12-10172014	SW8260B	1,2-Dichlorobenzene	µg/L	0.1	UJ	Sur<LCL
ARTESIA-DUP01-04082014	SW8260B	1,2-Dichloroethane	µg/L	0.148	U	EB<RL
ARTESIA-MW21-04082014	SW8260B	1,2-Dichloroethane	µg/L	0.187	U	EB<RL
ARTESIA-MW25-04082014	SW8260B	1,2-Dichloroethane	µg/L	0.23	U	EB<RL
ARTESIA-MW26-04082014	SW8260B	1,2-Dichloroethane	µg/L	0.147	U	EB<RL
ARTESIA-MW28-04082014	SW8260B	1,2-Dichloroethane	µg/L	0.322	U	EB<RL
ARTESIA-MW30-04082014	SW8260B	1,2-Dichloroethane	µg/L	0.366	U	EB<RL

TABLE 2

Data Qualification Summary*Data Quality Evaluation, Former Dowell Schlumberger Facility, Artesia, New Mexico*

Native ID	Method	Analyte	Units	Final Result	Validation Flag	Validation Reason
ARTESIA-MW12-10172014	SW8260B	1,2-Dichloroethane	µg/L	0.14	UJ	Sur<LCL
ARTESIA-MW12-10172014	SW8260B	1,2-Dichloropropane	µg/L	0.16	UJ	Sur<LCL
ARTESIA-MW12-10172014	SW8260B	1,3-Dichlorobenzene	µg/L	0.13	UJ	Sur<LCL
ARTESIA-MW12-10172014	SW8260B	1,3-Dichloropropane	µg/L	0.22	UJ	Sur<LCL
ARTESIA-MW12-10172014	SW8260B	1,4-Dichlorobenzene	µg/L	0.11	UJ	Sur<LCL
ARTESIA-MW12-10172014	SW8260B	2,2-Dichloropropane	µg/L	0.13	UJ	Sur<LCL
ARTESIA-DUP01-04082014	SW8260B	2-Butanone (Methyl Ethyl Ketone)	µg/L	0.76	UJ	CCV<LCL
ARTESIA-MW18-04082014	SW8260B	2-Butanone (Methyl Ethyl Ketone)	µg/L	0.76	UJ	CCV<LCL
ARTESIA-MW21-04082014	SW8260B	2-Butanone (Methyl Ethyl Ketone)	µg/L	0.76	UJ	CCV<LCL
ARTESIA-MW25-04082014	SW8260B	2-Butanone (Methyl Ethyl Ketone)	µg/L	0.76	UJ	CCV<LCL
ARTESIA-MW26-04082014	SW8260B	2-Butanone (Methyl Ethyl Ketone)	µg/L	0.76	UJ	CCV<LCL
ARTESIA-MW28-04082014	SW8260B	2-Butanone (Methyl Ethyl Ketone)	µg/L	0.76	UJ	CCV<LCL
ARTESIA-MW30-04082014	SW8260B	2-Butanone (Methyl Ethyl Ketone)	µg/L	0.76	UJ	CCV<LCL
ARTESIA-MW31-04082014	SW8260B	2-Butanone (Methyl Ethyl Ketone)	µg/L	0.76	UJ	CCV<LCL
ARTESIA-MW32-04082014	SW8260B	2-Butanone (Methyl Ethyl Ketone)	µg/L	0.76	UJ	CCV<LCL
ARTESIA-MW33-04082014	SW8260B	2-Butanone (Methyl Ethyl Ketone)	µg/L	0.76	UJ	CCV<LCL
ARTESIA-MW12-10172014	SW8260B	2-Butanone (Methyl Ethyl Ketone)	µg/L	0.76	UJ	Sur<LCL
ARTESIA-MW12-04082014	SW8260B	2-Chloroethyl Vinyl Ether	µg/L	2.5	UJ	CCV<LCL
ARTESIA-MW26-10142014	SW8260B	2-Chloroethyl Vinyl Ether	µg/L	0.5	UJ	CCV<LCL
ARTESIA-DUP02-10152014	SW8260B	2-Chloroethyl Vinyl Ether	µg/L	0.5	UJ	CCV<LCL

TABLE 2

Data Qualification Summary*Data Quality Evaluation, Former Dowell Schlumberger Facility, Artesia, New Mexico*

Native ID	Method	Analyte	Units	Final Result	Validation Flag	Validation Reason
ARTESIA-MW28-10152014	SW8260B	2-Chloroethyl Vinyl Ether	µg/L	0.5	UJ	CCV<LCL
ARTESIA-MW29-10152014	SW8260B	2-Chloroethyl Vinyl Ether	µg/L	0.5	UJ	CCV<LCL
ARTESIA-MW30-10152014	SW8260B	2-Chloroethyl Vinyl Ether	µg/L	0.5	UJ	CCV<LCL
ARTESIA-MW32-10152014	SW8260B	2-Chloroethyl Vinyl Ether	µg/L	0.5	UJ	CCV<LCL
ARTESIA-MW33-10152014	SW8260B	2-Chloroethyl Vinyl Ether	µg/L	0.5	UJ	CCV<LCL
ARTESIA-MW34-10152014	SW8260B	2-Chloroethyl Vinyl Ether	µg/L	0.5	UJ	SD<LCL
ARTESIA-MW20-10162014	SW8260B	2-Chloroethyl Vinyl Ether	µg/L	0.5	UJ	CCV<LCL
ARTESIA-MW21-10162014	SW8260B	2-Chloroethyl Vinyl Ether	µg/L	0.5	UJ	CCV<LCL
ARTESIA-MW22-10162014	SW8260B	2-Chloroethyl Vinyl Ether	µg/L	0.5	UJ	CCV<LCL
ARTESIA-MW31-10162014	SW8260B	2-Chloroethyl Vinyl Ether	µg/L	0.5	UJ	CCV<LCL
ARTESIA-MW12-10172014	SW8260B	2-Chloroethyl Vinyl Ether	µg/L	0.5	UJ	Sur<LCL
ARTESIA-MW15-10172014	SW8260B	2-Chloroethyl Vinyl Ether	µg/L	0.5	UJ	CCV<LCL
ARTESIAMW17C-10172014	SW8260B	2-Chloroethyl Vinyl Ether	µg/L	0.5	UJ	CCV<LCL
ARTESIA-MW7-10172014	SW8260B	2-Chloroethyl Vinyl Ether	µg/L	0.5	UJ	CCV<LCL
ARTESIA-MW8-10172014	SW8260B	2-Chloroethyl Vinyl Ether	µg/L	0.5	UJ	CCV<LCL
ARTESIA-MW12-10172014	SW8260B	2-Chlorotoluene	µg/L	0.13	UJ	Sur<LCL
ARTESIA-MW26-10142014	SW8260B	4-Chlorotoluene	µg/L	0.14	UJ	CCV<LCL
ARTESIA-DUP02-10152014	SW8260B	4-Chlorotoluene	µg/L	0.14	UJ	CCV<LCL
ARTESIA-MW28-10152014	SW8260B	4-Chlorotoluene	µg/L	0.14	UJ	CCV<LCL
ARTESIA-MW29-10152014	SW8260B	4-Chlorotoluene	µg/L	0.14	UJ	CCV<LCL

TABLE 2

Data Qualification Summary*Data Quality Evaluation, Former Dowell Schlumberger Facility, Artesia, New Mexico*

Native ID	Method	Analyte	Units	Final Result	Validation Flag	Validation Reason
ARTESIA-MW30-10152014	SW8260B	4-Chlorotoluene	µg/L	0.14	UJ	CCV<LCL
ARTESIA-MW32-10152014	SW8260B	4-Chlorotoluene	µg/L	0.14	UJ	CCV<LCL
ARTESIA-MW33-10152014	SW8260B	4-Chlorotoluene	µg/L	0.14	UJ	CCV<LCL
ARTESIA-MW20-10162014	SW8260B	4-Chlorotoluene	µg/L	0.14	UJ	CCV<LCL
ARTESIA-MW21-10162014	SW8260B	4-Chlorotoluene	µg/L	0.14	UJ	CCV<LCL
ARTESIA-MW22-10162014	SW8260B	4-Chlorotoluene	µg/L	0.14	UJ	CCV<LCL
ARTESIA-MW31-10162014	SW8260B	4-Chlorotoluene	µg/L	0.14	UJ	CCV<LCL
ARTESIA-MW12-10172014	SW8260B	4-Chlorotoluene	µg/L	0.14	UJ	Sur<LCL
ARTESIA-MW15-10172014	SW8260B	4-Chlorotoluene	µg/L	0.14	UJ	CCV<LCL
ARTESIAMW17C-10172014	SW8260B	4-Chlorotoluene	µg/L	0.14	UJ	CCV<LCL
ARTESIA-MW7-10172014	SW8260B	4-Chlorotoluene	µg/L	0.14	UJ	CCV<LCL
ARTESIA-MW8-10172014	SW8260B	4-Chlorotoluene	µg/L	0.14	UJ	CCV<LCL
ARTESIA-MW12-10172014	SW8260B	4-Isopropyltoluene	µg/L	3.27	J	Sur<LCL
ARTESIA-MW28-10152014	SW8260B	Benzene	µg/L	0.103	U	TB<RL
ARTESIA-MW28-10152014	SW8260B	Benzene	µg/L	0.103	U	TB<RL
ARTESIA-MW20-10162014	SW8260B	Benzene	µg/L	0.211	U	TB<RL
ARTESIA-MW20-10162014	SW8260B	Benzene	µg/L	0.211	U	TB<RL
ARTESIA-MW12-10172014	SW8260B	Benzene	µg/L	2.65	U	Sur<LCL
ARTESIA-MW12-10172014	SW8260B	Benzene	µg/L	2.65	U	TB<RL
ARTESIA-MW12-10172014	SW8260B	Benzene	µg/L	2.65	U	TB<RL

TABLE 2

Data Qualification Summary*Data Quality Evaluation, Former Dowell Schlumberger Facility, Artesia, New Mexico*

Native ID	Method	Analyte	Units	Final Result	Validation Flag	Validation Reason
ARTESIA-MW12-10172014	SW8260B	Bromobenzene	µg/L	0.19	UJ	Sur<LCL
ARTESIA-MW12-10172014	SW8260B	Bromodichloromethane	µg/L	0.16	UJ	Sur<LCL
ARTESIA-MW12-10172014	SW8260B	Bromoform	µg/L	0.19	UJ	Sur<LCL
ARTESIA-MW12-10172014	SW8260B	Bromomethane	µg/L	0.25	UJ	Sur<LCL
ARTESIA-MW12-10172014	SW8260B	Carbon Tetrachloride	µg/L	0.15	UJ	Sur<LCL
ARTESIA-MW12-10172014	SW8260B	Chlorobenzene	µg/L	0.12	UJ	Sur<LCL
ARTESIA-MW12-10172014	SW8260B	Chlorobromomethane	µg/L	0.18	UJ	Sur<LCL
ARTESIA-DUP01-04082014	SW8260B	Chloroethane	µg/L	0.08	UJ	CCV<LCL
ARTESIA-MW17C-04082014	SW8260B	Chloroethane	µg/L	0.08	UJ	CCV<LCL
ARTESIA-MW18-04082014	SW8260B	Chloroethane	µg/L	0.08	UJ	CCV<LCL
ARTESIA-MW21-04082014	SW8260B	Chloroethane	µg/L	0.08	UJ	CCV<LCL
ARTESIA-MW25-04082014	SW8260B	Chloroethane	µg/L	0.08	UJ	CCV<LCL
ARTESIA-MW26-04082014	SW8260B	Chloroethane	µg/L	0.08	UJ	CCV<LCL
ARTESIA-MW28-04082014	SW8260B	Chloroethane	µg/L	0.08	UJ	CCV<LCL
ARTESIA-MW30-04082014	SW8260B	Chloroethane	µg/L	0.08	UJ	CCV<LCL
ARTESIA-MW31-04082014	SW8260B	Chloroethane	µg/L	0.08	UJ	CCV<LCL
ARTESIA-MW32-04082014	SW8260B	Chloroethane	µg/L	0.08	UJ	CCV<LCL
ARTESIA-MW33-04082014	SW8260B	Chloroethane	µg/L	0.08	UJ	CCV<LCL
ARTESIA-MW12-10172014	SW8260B	Chloroethane	µg/L	0.08	UJ	Sur<LCL
ARTESIA-MW12-10172014	SW8260B	Chloroform	µg/L	0.13	UJ	Sur<LCL

TABLE 2

Data Qualification Summary*Data Quality Evaluation, Former Dowell Schlumberger Facility, Artesia, New Mexico*

Native ID	Method	Analyte	Units	Final Result	Validation Flag	Validation Reason
ARTESIA-DUP01-04082014	SW8260B	Chloromethane	µg/L	0.18	UJ	CCV<LCL
ARTESIA-MW18-04082014	SW8260B	Chloromethane	µg/L	0.18	UJ	CCV<LCL
ARTESIA-MW21-04082014	SW8260B	Chloromethane	µg/L	0.18	UJ	CCV<LCL
ARTESIA-MW25-04082014	SW8260B	Chloromethane	µg/L	0.18	UJ	CCV<LCL
ARTESIA-MW26-04082014	SW8260B	Chloromethane	µg/L	0.18	UJ	CCV<LCL
ARTESIA-MW28-04082014	SW8260B	Chloromethane	µg/L	0.18	UJ	CCV<LCL
ARTESIA-MW30-04082014	SW8260B	Chloromethane	µg/L	0.18	UJ	CCV<LCL
ARTESIA-MW31-04082014	SW8260B	Chloromethane	µg/L	0.18	UJ	CCV<LCL
ARTESIA-MW32-04082014	SW8260B	Chloromethane	µg/L	0.18	UJ	CCV<LCL
ARTESIA-MW33-04082014	SW8260B	Chloromethane	µg/L	0.18	UJ	CCV<LCL
ARTESIA-MW26-10142014	SW8260B	Chloromethane	µg/L	0.18	UJ	CCV<LCL
ARTESIA-DUP02-10152014	SW8260B	Chloromethane	µg/L	0.18	UJ	CCV<LCL
ARTESIA-MW28-10152014	SW8260B	Chloromethane	µg/L	0.18	UJ	CCV<LCL
ARTESIA-MW29-10152014	SW8260B	Chloromethane	µg/L	0.18	UJ	CCV<LCL
ARTESIA-MW30-10152014	SW8260B	Chloromethane	µg/L	0.18	UJ	CCV<LCL
ARTESIA-MW32-10152014	SW8260B	Chloromethane	µg/L	0.18	UJ	CCV<LCL
ARTESIA-MW33-10152014	SW8260B	Chloromethane	µg/L	0.18	UJ	CCV<LCL
ARTESIA-MW34-10152014	SW8260B	Chloromethane	µg/L	0.18	UJ	CCV<LCL
ARTESIA-MW18-10162014	SW8260B	Chloromethane	µg/L	0.18	UJ	CCV<LCL
ARTESIA-MW20-10162014	SW8260B	Chloromethane	µg/L	0.18	UJ	CCV<LCL

TABLE 2

Data Qualification Summary*Data Quality Evaluation, Former Dowell Schlumberger Facility, Artesia, New Mexico*

Native ID	Method	Analyte	Units	Final Result	Validation Flag	Validation Reason
ARTESIA-MW21-10162014	SW8260B	Chloromethane	µg/L	0.18	UJ	CCV<LCL
ARTESIA-MW22-10162014	SW8260B	Chloromethane	µg/L	0.18	UJ	CCV<LCL
ARTESIA-MW31-10162014	SW8260B	Chloromethane	µg/L	0.18	UJ	CCV<LCL
ARTESIA-MW11-10172014	SW8260B	Chloromethane	µg/L	0.18	UJ	CCV<LCL
ARTESIA-MW12-10172014	SW8260B	Chloromethane	µg/L	0.18	UJ	CCV<LCL
ARTESIA-MW12-10172014	SW8260B	Chloromethane	µg/L	0.18	UJ	Sur<LCL
ARTESIA-MW15-10172014	SW8260B	Chloromethane	µg/L	0.18	UJ	CCV<LCL
ARTESIAMW17C-10172014	SW8260B	Chloromethane	µg/L	0.18	UJ	CCV<LCL
ARTESIA-MW7-10172014	SW8260B	Chloromethane	µg/L	0.18	UJ	CCV<LCL
ARTESIA-MW8-10172014	SW8260B	Chloromethane	µg/L	0.18	UJ	CCV<LCL
ARTESIA-DUP01-10212014	SW8260B	Chloromethane	µg/L	0.18	UJ	CCV<LCL
ARTESIA-MW1-10212014	SW8260B	Chloromethane	µg/L	0.18	UJ	CCV<LCL
ARTESIA-DUP01-04082014	SW8260B	cis-1,2-Dichloroethene	µg/L	0.06	UJ	CCV<LCL
ARTESIA-MW18-04082014	SW8260B	cis-1,2-Dichloroethene	µg/L	0.06	UJ	CCV<LCL
ARTESIA-MW21-04082014	SW8260B	cis-1,2-Dichloroethene	µg/L	0.06	UJ	CCV<LCL
ARTESIA-MW25-04082014	SW8260B	cis-1,2-Dichloroethene	µg/L	0.0721	J	CCV<LCL
ARTESIA-MW26-04082014	SW8260B	cis-1,2-Dichloroethene	µg/L	0.06	UJ	CCV<LCL
ARTESIA-MW28-04082014	SW8260B	cis-1,2-Dichloroethene	µg/L	0.441	J	CCV<LCL
ARTESIA-MW30-04082014	SW8260B	cis-1,2-Dichloroethene	µg/L	0.205	J	CCV<LCL
ARTESIA-MW31-04082014	SW8260B	cis-1,2-Dichloroethene	µg/L	0.06	UJ	CCV<LCL

TABLE 2

Data Qualification Summary*Data Quality Evaluation, Former Dowell Schlumberger Facility, Artesia, New Mexico*

Native ID	Method	Analyte	Units	Final Result	Validation Flag	Validation Reason
ARTESIA-MW32-04082014	SW8260B	cis-1,2-Dichloroethene	µg/L	0.06	UJ	CCV<LCL
ARTESIA-MW33-04082014	SW8260B	cis-1,2-Dichloroethene	µg/L	0.06	UJ	CCV<LCL
ARTESIA-MW12-10172014	SW8260B	cis-1,2-Dichloroethene	µg/L	10.9	J	Sur<LCL
ARTESIA-MW12-10172014	SW8260B	cis-1,3-Dichloropropene	µg/L	0.18	UJ	Sur<LCL
ARTESIA-MW12-10172014	SW8260B	Dibromochloromethane	µg/L	0.15	UJ	Sur<LCL
ARTESIA-DUP01-04082014	SW8260B	Dibromomethane	µg/L	0.52	UJ	CCV<LCL
ARTESIA-MW18-04082014	SW8260B	Dibromomethane	µg/L	0.52	UJ	CCV<LCL
ARTESIA-MW21-04082014	SW8260B	Dibromomethane	µg/L	0.52	UJ	CCV<LCL
ARTESIA-MW25-04082014	SW8260B	Dibromomethane	µg/L	0.52	UJ	CCV<LCL
ARTESIA-MW26-04082014	SW8260B	Dibromomethane	µg/L	0.52	UJ	CCV<LCL
ARTESIA-MW28-04082014	SW8260B	Dibromomethane	µg/L	0.52	UJ	CCV<LCL
ARTESIA-MW30-04082014	SW8260B	Dibromomethane	µg/L	0.52	UJ	CCV<LCL
ARTESIA-MW31-04082014	SW8260B	Dibromomethane	µg/L	0.52	UJ	CCV<LCL
ARTESIA-MW32-04082014	SW8260B	Dibromomethane	µg/L	0.52	UJ	CCV<LCL
ARTESIA-MW33-04082014	SW8260B	Dibromomethane	µg/L	0.52	UJ	CCV<LCL
ARTESIA-MW12-10172014	SW8260B	Dibromomethane	µg/L	0.52	UJ	Sur<LCL
ARTESIA-DUP01-04082014	SW8260B	Dichlorodifluoromethane	µg/L	0.12	UJ	CCV<LCL
ARTESIA-MW12-04082014	SW8260B	Dichlorodifluoromethane	µg/L	0.6	UJ	CCV<LCL
ARTESIA-MW18-04082014	SW8260B	Dichlorodifluoromethane	µg/L	0.12	UJ	CCV<LCL
ARTESIA-MW21-04082014	SW8260B	Dichlorodifluoromethane	µg/L	0.12	UJ	CCV<LCL

TABLE 2

Data Qualification Summary*Data Quality Evaluation, Former Dowell Schlumberger Facility, Artesia, New Mexico*

Native ID	Method	Analyte	Units	Final Result	Validation Flag	Validation Reason
ARTESIA-MW25-04082014	SW8260B	Dichlorodifluoromethane	µg/L	0.12	UJ	CCV<LCL
ARTESIA-MW26-04082014	SW8260B	Dichlorodifluoromethane	µg/L	0.12	UJ	CCV<LCL
ARTESIA-MW28-04082014	SW8260B	Dichlorodifluoromethane	µg/L	0.12	UJ	CCV<LCL
ARTESIA-MW30-04082014	SW8260B	Dichlorodifluoromethane	µg/L	0.12	UJ	CCV<LCL
ARTESIA-MW31-04082014	SW8260B	Dichlorodifluoromethane	µg/L	0.12	UJ	CCV<LCL
ARTESIA-MW32-04082014	SW8260B	Dichlorodifluoromethane	µg/L	0.12	UJ	CCV<LCL
ARTESIA-MW33-04082014	SW8260B	Dichlorodifluoromethane	µg/L	0.12	UJ	CCV<LCL
ARTESIA-MW26-10142014	SW8260B	Dichlorodifluoromethane	µg/L	0.12	UJ	CCV<LCL
ARTESIA-DUP02-10152014	SW8260B	Dichlorodifluoromethane	µg/L	0.12	UJ	CCV<LCL
ARTESIA-MW28-10152014	SW8260B	Dichlorodifluoromethane	µg/L	0.12	UJ	CCV<LCL
ARTESIA-MW29-10152014	SW8260B	Dichlorodifluoromethane	µg/L	0.12	UJ	CCV<LCL
ARTESIA-MW30-10152014	SW8260B	Dichlorodifluoromethane	µg/L	0.12	UJ	CCV<LCL
ARTESIA-MW32-10152014	SW8260B	Dichlorodifluoromethane	µg/L	0.12	UJ	CCV<LCL
ARTESIA-MW33-10152014	SW8260B	Dichlorodifluoromethane	µg/L	0.12	UJ	CCV<LCL
ARTESIA-MW34-10152014	SW8260B	Dichlorodifluoromethane	µg/L	0.12	UJ	CCV<LCL
ARTESIA-MW18-10162014	SW8260B	Dichlorodifluoromethane	µg/L	0.12	UJ	CCV<LCL
ARTESIA-MW20-10162014	SW8260B	Dichlorodifluoromethane	µg/L	0.12	UJ	CCV<LCL
ARTESIA-MW21-10162014	SW8260B	Dichlorodifluoromethane	µg/L	0.12	UJ	CCV<LCL
ARTESIA-MW22-10162014	SW8260B	Dichlorodifluoromethane	µg/L	0.12	UJ	CCV<LCL
ARTESIA-MW31-10162014	SW8260B	Dichlorodifluoromethane	µg/L	0.12	UJ	CCV<LCL

TABLE 2

Data Qualification Summary*Data Quality Evaluation, Former Dowell Schlumberger Facility, Artesia, New Mexico*

Native ID	Method	Analyte	Units	Final Result	Validation Flag	Validation Reason
ARTESIA-MW11-10172014	SW8260B	Dichlorodifluoromethane	µg/L	0.12	UJ	CCV<LCL
ARTESIA-MW12-10172014	SW8260B	Dichlorodifluoromethane	µg/L	0.12	UJ	CCV<LCL
ARTESIA-MW12-10172014	SW8260B	Dichlorodifluoromethane	µg/L	0.12	UJ	Sur<LCL
ARTESIA-MW15-10172014	SW8260B	Dichlorodifluoromethane	µg/L	0.12	UJ	CCV<LCL
ARTESIAMW17C-10172014	SW8260B	Dichlorodifluoromethane	µg/L	0.12	UJ	CCV<LCL
ARTESIA-MW7-10172014	SW8260B	Dichlorodifluoromethane	µg/L	0.12	UJ	CCV<LCL
ARTESIA-MW8-10172014	SW8260B	Dichlorodifluoromethane	µg/L	0.12	UJ	CCV<LCL
ARTESIA-DUP01-10212014	SW8260B	Dichlorodifluoromethane	µg/L	0.12	UJ	CCV<LCL
ARTESIA-MW1-10212014	SW8260B	Dichlorodifluoromethane	µg/L	0.12	UJ	CCV<LCL
ARTESIA-MW12-10172014	SW8260B	Ethylbenzene	µg/L	3.79	J	Sur<LCL
ARTESIA-DUP01-10212014	SW8260B	Ethylbenzene	µg/L	0.404	U	TB<RL
ARTESIA-MW12-10172014	SW8260B	Ethylene Dibromide	µg/L	0.18	UJ	Sur<LCL
ARTESIA-MW12-10172014	SW8260B	Hexachlorobutadiene	µg/L	0.17	UJ	Sur<LCL
ARTESIA-MW12-10172014	SW8260B	Isopropylbenzene	µg/L	48.1	J	Sur<LCL
ARTESIA-DUP01-04082014	SW8260B	Methyl tert-butyl ether	µg/L	0.12	UJ	CCV<LCL
ARTESIA-MW12-04082014	SW8260B	Methyl tert-butyl ether	µg/L	0.6	UJ	CCV<LCL
ARTESIA-MW18-04082014	SW8260B	Methyl tert-butyl ether	µg/L	0.12	UJ	CCV<LCL
ARTESIA-MW21-04082014	SW8260B	Methyl tert-butyl ether	µg/L	0.12	UJ	CCV<LCL
ARTESIA-MW25-04082014	SW8260B	Methyl tert-butyl ether	µg/L	0.12	UJ	CCV<LCL
ARTESIA-MW26-04082014	SW8260B	Methyl tert-butyl ether	µg/L	0.12	UJ	CCV<LCL

TABLE 2

Data Qualification Summary*Data Quality Evaluation, Former Dowell Schlumberger Facility, Artesia, New Mexico*

Native ID	Method	Analyte	Units	Final Result	Validation Flag	Validation Reason
ARTESIA-MW28-04082014	SW8260B	Methyl tert-butyl ether	µg/L	0.678	J	CCV<LCL
ARTESIA-MW30-04082014	SW8260B	Methyl tert-butyl ether	µg/L	0.12	UJ	CCV<LCL
ARTESIA-MW31-04082014	SW8260B	Methyl tert-butyl ether	µg/L	0.12	UJ	CCV<LCL
ARTESIA-MW32-04082014	SW8260B	Methyl tert-butyl ether	µg/L	0.12	UJ	CCV<LCL
ARTESIA-MW33-04082014	SW8260B	Methyl tert-butyl ether	µg/L	0.12	UJ	CCV<LCL
ARTESIA-MW12-10172014	SW8260B	Methyl tert-butyl ether	µg/L	0.12	UJ	Sur<LCL
ARTESIA-MW12-04082014	SW8260B	Methylene Chloride (Dichloromethane)	µg/L	0.75	UJ	CCV<LCL
ARTESIA-MW12-10172014	SW8260B	Methylene Chloride (Dichloromethane)	µg/L	0.15	UJ	Sur<LCL
ARTESIA-MW12-04082014	SW8260B	Naphthalene	µg/L	41.9	J	CCV<LCL
ARTESIA-MW17C-04082014	SW8260B	Naphthalene	µg/L	0.32	UJ	CCV<LCL
ARTESIA-MW18-04082014	SW8260B	Naphthalene	µg/L	0.67	U	LB<RL
ARTESIA-MW12-10172014	SW8260B	n-Butylbenzene	µg/L	7.76	J	Sur<LCL
ARTESIA-MW12-10172014	SW8260B	sec-Butylbenzene	µg/L	5.38	J	Sur<LCL
ARTESIA-MW17C-04082014	SW8260B	Styrene	µg/L	0.07	UJ	CCV<LCL
ARTESIA-MW12-10172014	SW8260B	Styrene	µg/L	0.07	UJ	Sur<LCL
ARTESIA-MW12-10172014	SW8260B	tert-Butylbenzene	µg/L	0.6	J	Sur<LCL
ARTESIA-MW12-10172014	SW8260B	Tetrachloroethene	µg/L	0.83	J	Sur<LCL
ARTESIA-MW12-10172014	SW8260B	Toluene	µg/L	0.15	UJ	Sur<LCL
ARTESIA-MW12-10172014	SW8260B	trans-1,2-Dichloroethene	µg/L	0.09	UJ	Sur<LCL

TABLE 2

Data Qualification Summary*Data Quality Evaluation, Former Dowell Schlumberger Facility, Artesia, New Mexico*

Native ID	Method	Analyte	Units	Final Result	Validation Flag	Validation Reason
ARTESIA-MW26-10142014	SW8260B	trans-1,3-Dichloropropene	µg/L	0.21	UJ	CCV<LCL
ARTESIA-DUP02-10152014	SW8260B	trans-1,3-Dichloropropene	µg/L	0.21	UJ	CCV<LCL
ARTESIA-MW28-10152014	SW8260B	trans-1,3-Dichloropropene	µg/L	0.21	UJ	CCV<LCL
ARTESIA-MW29-10152014	SW8260B	trans-1,3-Dichloropropene	µg/L	0.21	UJ	CCV<LCL
ARTESIA-MW30-10152014	SW8260B	trans-1,3-Dichloropropene	µg/L	0.21	UJ	CCV<LCL
ARTESIA-MW32-10152014	SW8260B	trans-1,3-Dichloropropene	µg/L	0.21	UJ	CCV<LCL
ARTESIA-MW33-10152014	SW8260B	trans-1,3-Dichloropropene	µg/L	0.21	UJ	CCV<LCL
ARTESIA-MW20-10162014	SW8260B	trans-1,3-Dichloropropene	µg/L	0.21	UJ	CCV<LCL
ARTESIA-MW21-10162014	SW8260B	trans-1,3-Dichloropropene	µg/L	0.21	UJ	CCV<LCL
ARTESIA-MW22-10162014	SW8260B	trans-1,3-Dichloropropene	µg/L	0.21	UJ	CCV<LCL
ARTESIA-MW31-10162014	SW8260B	trans-1,3-Dichloropropene	µg/L	0.21	UJ	CCV<LCL
ARTESIA-MW12-10172014	SW8260B	trans-1,3-Dichloropropene	µg/L	0.21	UJ	Sur<LCL
ARTESIA-MW15-10172014	SW8260B	trans-1,3-Dichloropropene	µg/L	0.21	UJ	CCV<LCL
ARTESIAMW17C-10172014	SW8260B	trans-1,3-Dichloropropene	µg/L	0.21	UJ	CCV<LCL
ARTESIA-MW7-10172014	SW8260B	trans-1,3-Dichloropropene	µg/L	0.21	UJ	CCV<LCL
ARTESIA-MW8-10172014	SW8260B	trans-1,3-Dichloropropene	µg/L	0.21	UJ	CCV<LCL
ARTESIA-MW34-10152014	SW8260B	Trichloroethene	µg/L	2.66	J	CCV>UCL
ARTESIA-MW11-10172014	SW8260B	Trichloroethene	µg/L	0.211	J	CCV>UCL
ARTESIA-MW12-10172014	SW8260B	Trichloroethene	µg/L	0.851	J	Sur<LCL
ARTESIA-MW12-10172014	SW8260B	Trichloroethene	µg/L	0.851	J	CCV>UCL

TABLE 2

Data Qualification Summary*Data Quality Evaluation, Former Dowell Schlumberger Facility, Artesia, New Mexico*

Native ID	Method	Analyte	Units	Final Result	Validation Flag	Validation Reason
ARTESIA-MW12-10172014	SW8260B	Trichlorofluoromethane	µg/L	0.08	UJ	Sur<LCL
ARTESIA-MW12-10172014	SW8260B	Vinyl Chloride	µg/L	0.11	UJ	Sur<LCL

Notes:

µg/L = micrograms per liter

Validation Reasons:

CCV<LCL	The continuing calibration verification was less than method criteria.
CCV>UCL	The continuing calibration verification was greater than method criteria.
EB<RL	The analyte was detected in the equipment blank at a concentration less than the reporting limit.
LB<RL	The analyte was detected in the method blank at a concentration less than the reporting limit.
SD<LCL	The matrix spike duplicate recovered less than the lower control limit.
Sur<LCL	The surrogate was recovered less than the lower control limit.
TB<RL	The analyte was detected in the trip blank at a concentration less than the reporting limit.